

# WEB DAY 2026

## Enhancing Web Responsiveness: How To Avoid Slow Interactions

**Andrea Verlicchi**

Web Performance Engineer  
Speed Kit



## T-Shirt Details

This t-shirt is made from 100% organic cotton. It is available in various sizes and colors.

## Shipment Details

## Return Policy



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# What this is about

- How interactions are **measured**
- How to **debug slow interactions...**
- ...with and without **Real User Monitoring data**
- What's the **most common cause** of high INP
- Other **mistakes** and how to **avoid** them

# Andrea Verlicchi

Web Performance Engineer

- Web developer
- Frontend
- E-commerce
- Performance geek





Progressive Web App





- Fast and reliable
  - 1. Page load is fast enough on mobile networks
  - 2. Web page loads the same way on all devices (the same HTML, CSS, JS, etc.)
  - 3. Content page does not require a 3G or slower offline
  - 4. Web page does not require a 3G or slower offline
- Installable
  - 1. Uses HTTPS
  - 2. Does not require a service worker that controls page data that is
  - 3. Web page is installed on the device and the user can add it to their home screen
- Push Optimized
  - 1. Features HTTPS, HTTPS, and HTTPS
  - 2. Is not configured for a custom Web App
  - 3. Features: Service worker, for fast or slow 3G, installed that updates background, and
  - 4. Does not use an app shell but Service Worker

Staging

Web Performance Hackathon, London, 2019

# Make your website load instantly



-  Preloading and prerendering with AI click prediction
-  Dynamic caching and acceleration of personalized content
-  Zero infrastructure changes for the existing website setup
-  Seamless plug & play integration within days, instead of weeks



carhartt.  
WORK IN PROGRESS



GANT

Tamaris

coop

TOM TAILOR

condor

AUTODOC



What is Interaction  
to Next Paint (INP)?



Debugging slow  
interactions



Identified mistakes  
and solutions





What is Interaction  
to Next Paint (INP)?



Debugging slow  
interactions



Identified mistakes  
and solutions



# Have you heard of INP before? 🙋

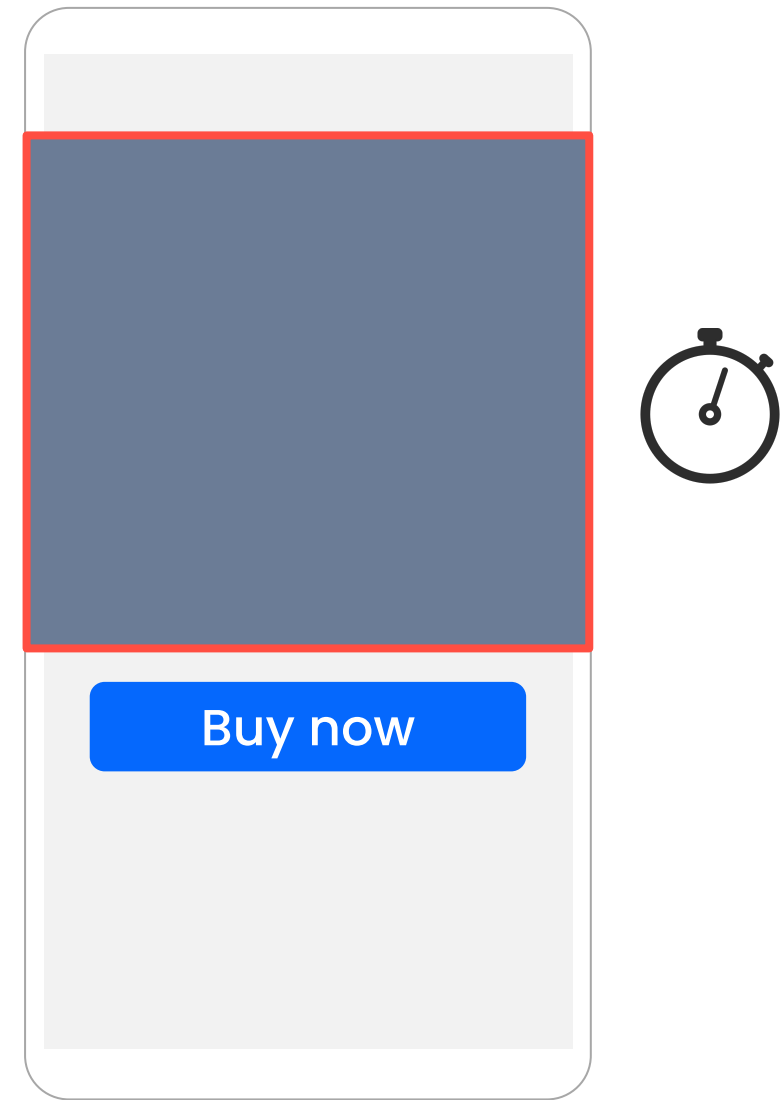
Heard of it today for  
the first time

Know the basic  
concepts of it

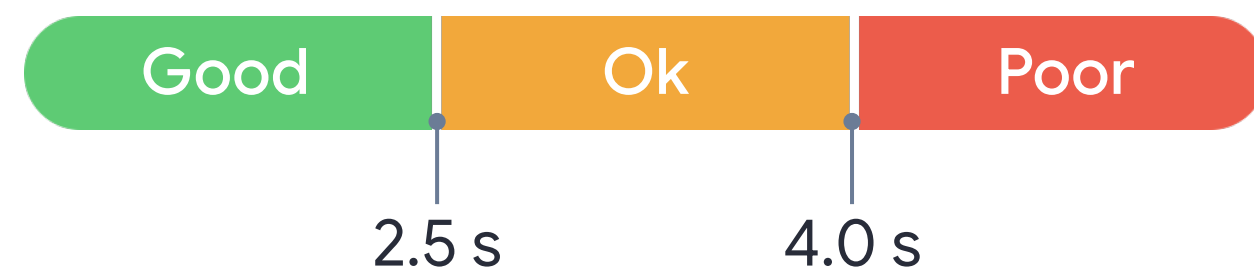
Know exactly what it is  
and how it's measured



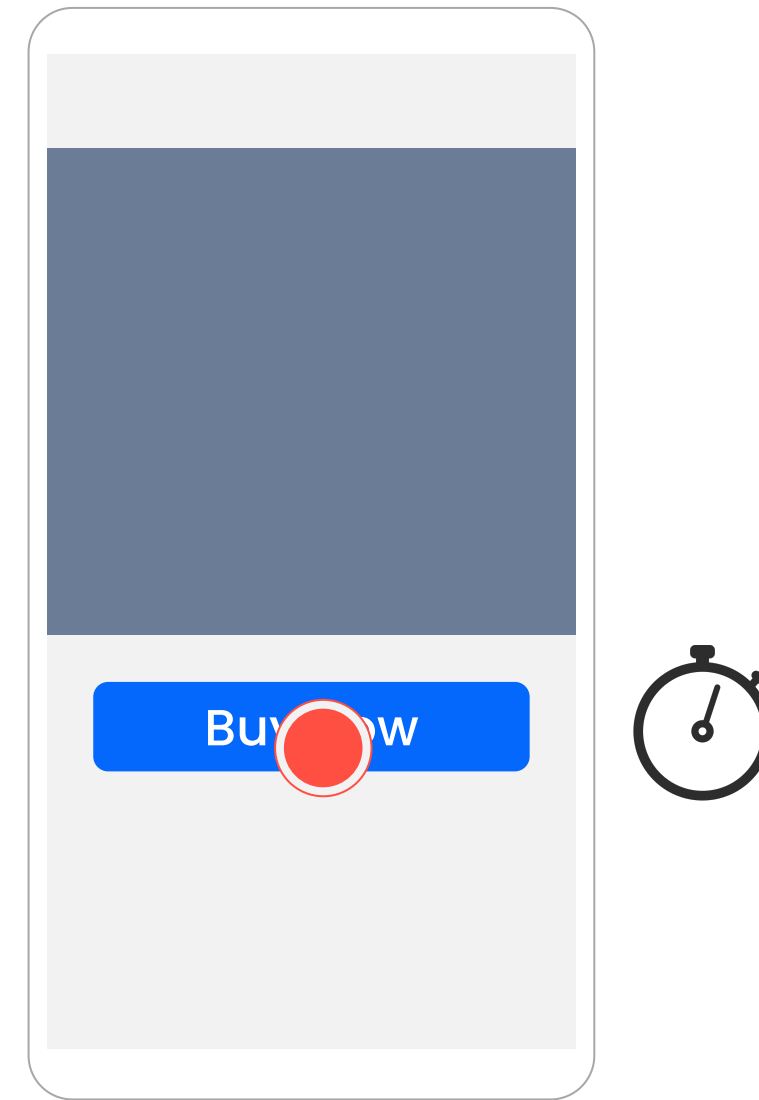
## Loading



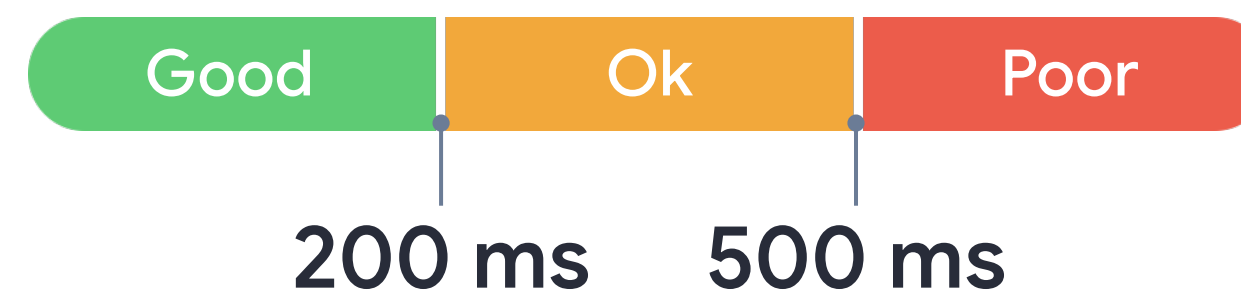
Largest Contentful Paint (LCP)



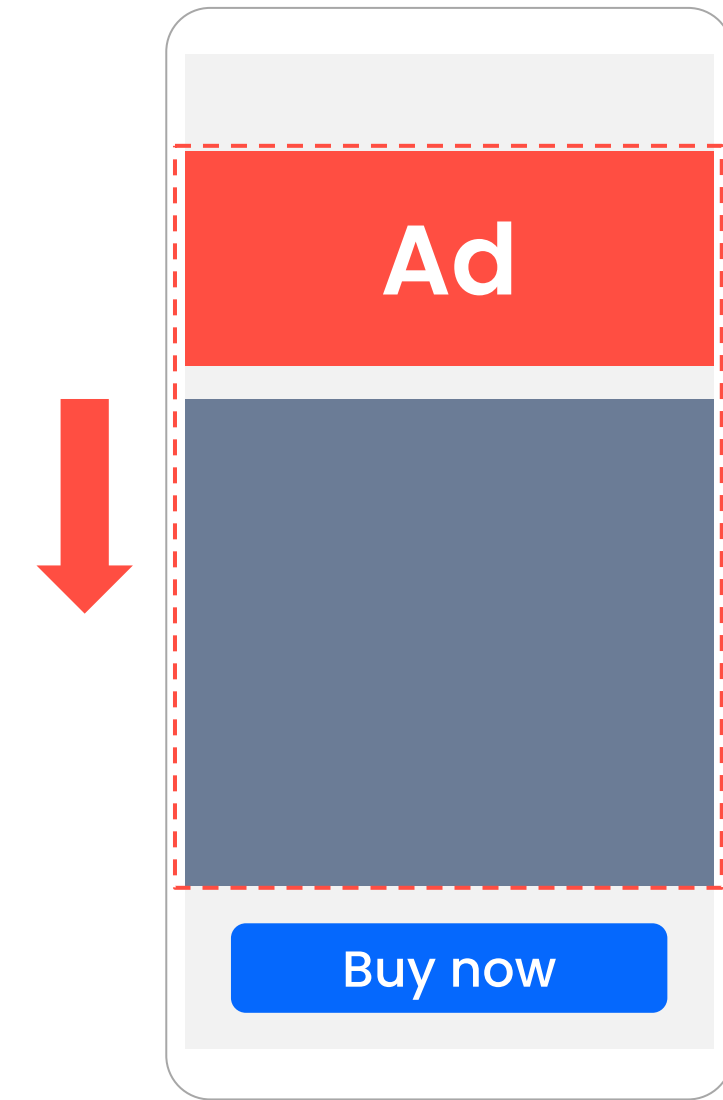
## Interactivity



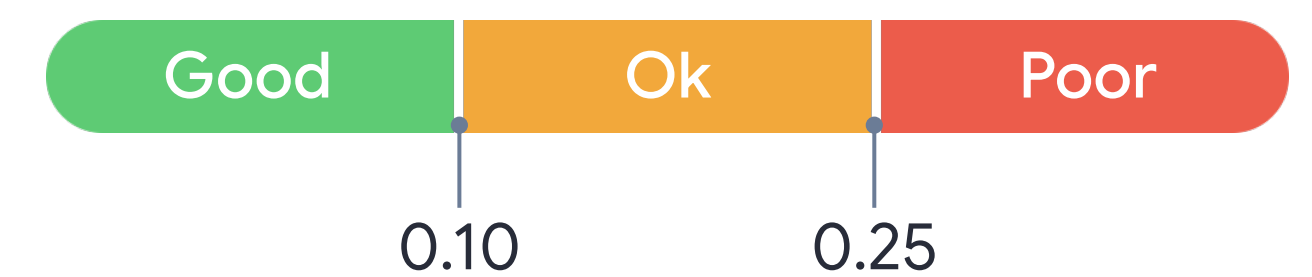
Interaction to Next Paint (INP)



## Visual Stability



Cumulative Layout Shift (CLS)

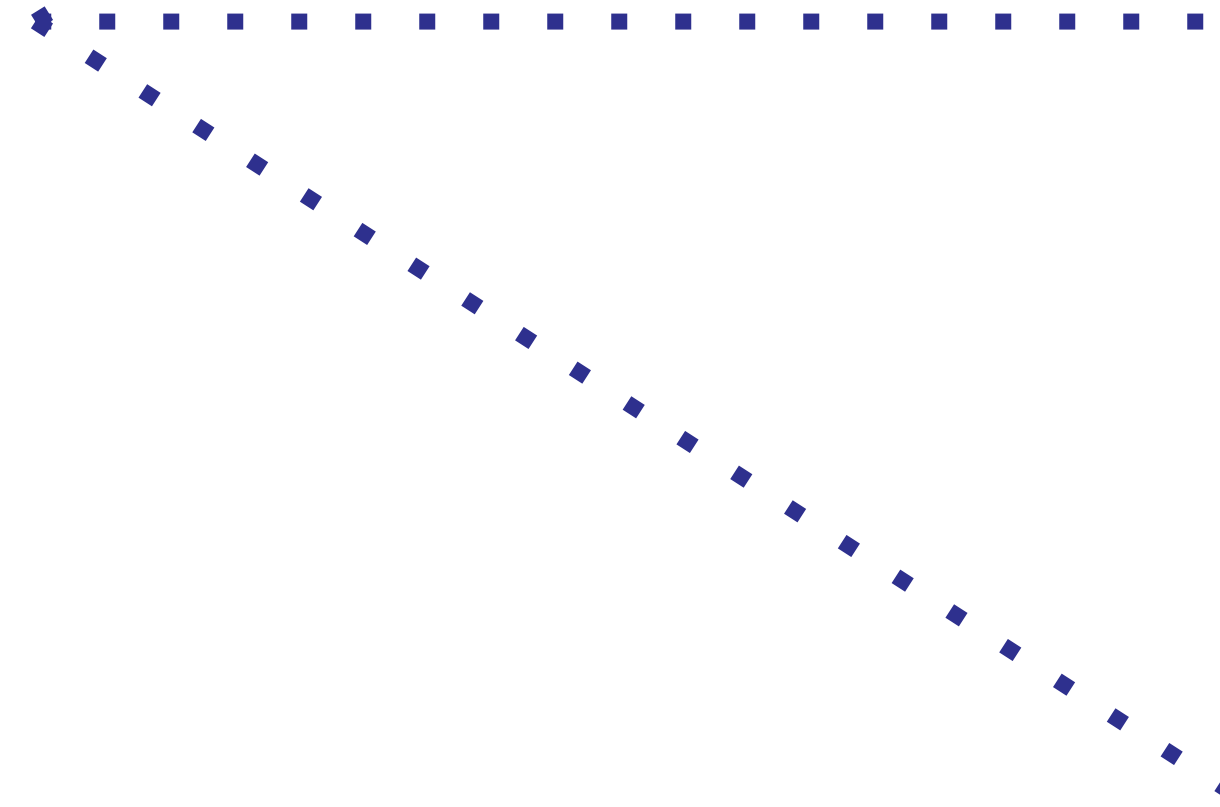




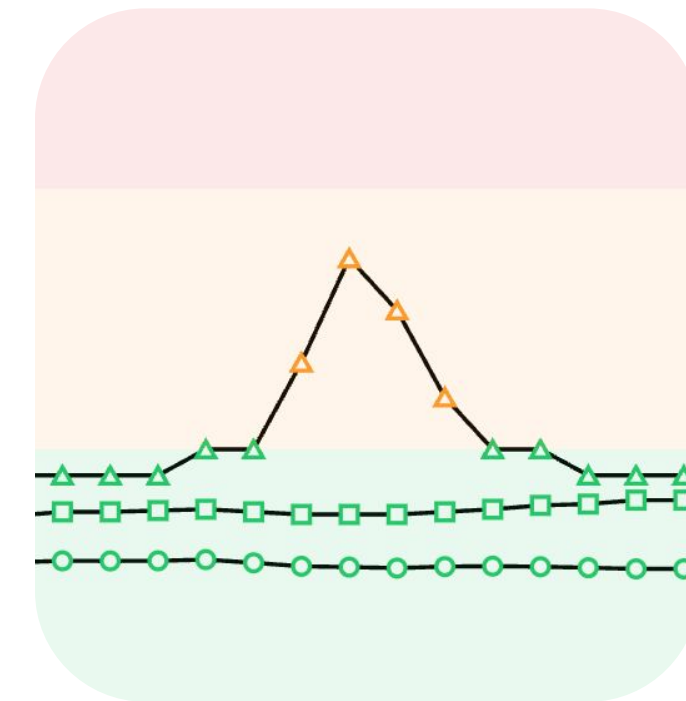
Chrome



Chrome User Experience  
(CrUX)



Search Console



CrUX Vis



BigQuery



Discover what your real users are experiencing

This URL

Origin



### Core Web Vitals Assessment: **Failed** ?

[Expand view](#)

● Largest Contentful Paint (LCP)

1.4 s



▲ Interaction to Next Paint (INP)

535 ms



■ Cumulative Layout Shift (CLS)

0.22



#### OTHER NOTABLE METRICS

● First Contentful Paint (FCP)

1.4 s



● First Input Delay (FID) i

25 ms



■ Time to First Byte (TTFB) ?

0.9 s



Latest 28-day collection period

Various mobile devices

Many samples ([Chrome UX Report](#))

Full visit durations

Various network connections

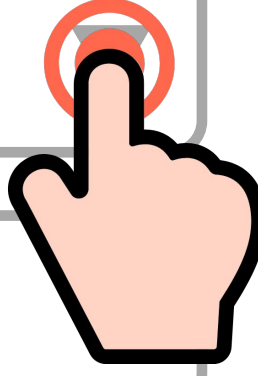
All Chrome versions

# Flowers Express

🔍 What are you looking for?



📅 By when?



? Occasion?

View selection

## Our selection



# Flowers Express

🔍 What are you looking for?



📅 By when?

## Select a date

February

M	T	W	T	F	S	S
1	2	3	4	5	6	
8	9	10	11	12	13	
15	16	17	18	19	20	21
22	23	24	25	26	27	28

150 ms

# Flowers Express

🔍 What are you looking for?



📅 February 14 ▼

? Occasion? 🎯

View selection

Our selection



150 ms

300 ms

# Flowers Express

🔍 What are you looking for?



📅 February 14 ▼

## Select an occasion



Love

Baby

Birthday

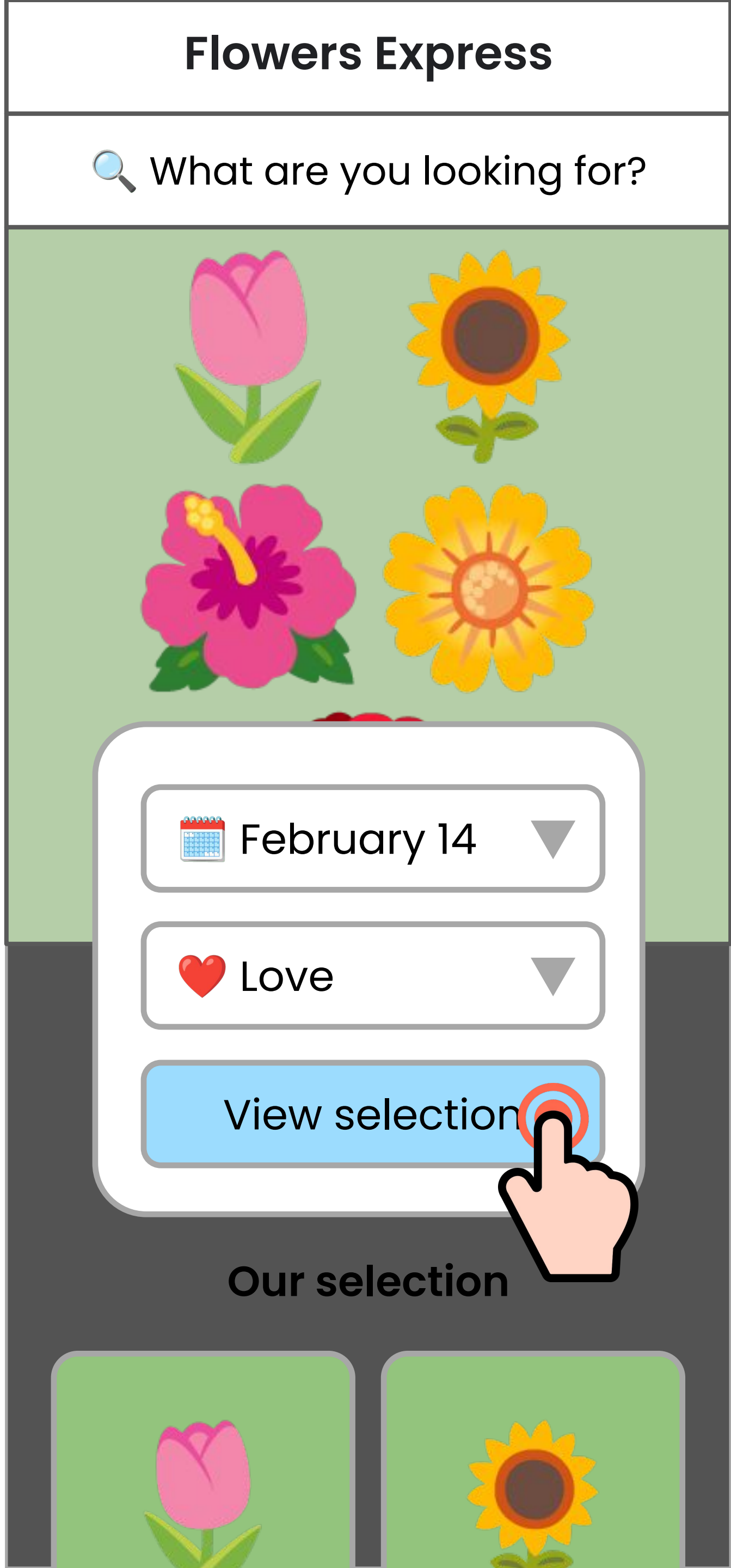
Congratulations

Mother's day

150 ms

300 ms

200 ms



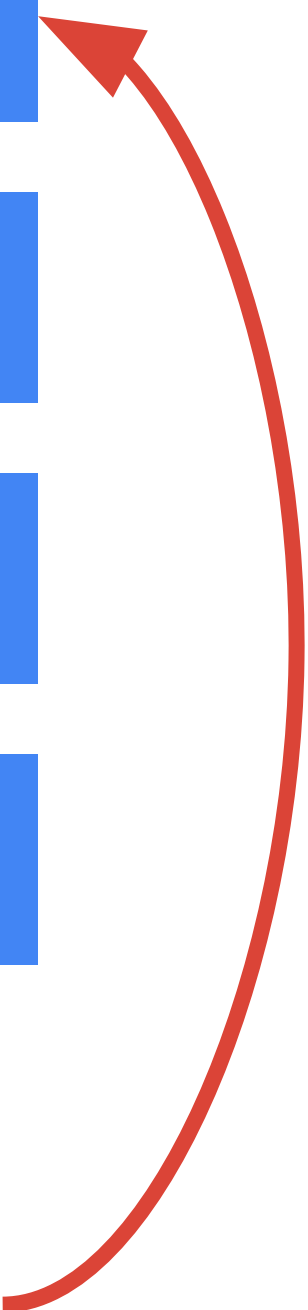
INP measures the time taken to **update the screen** after a user interaction.

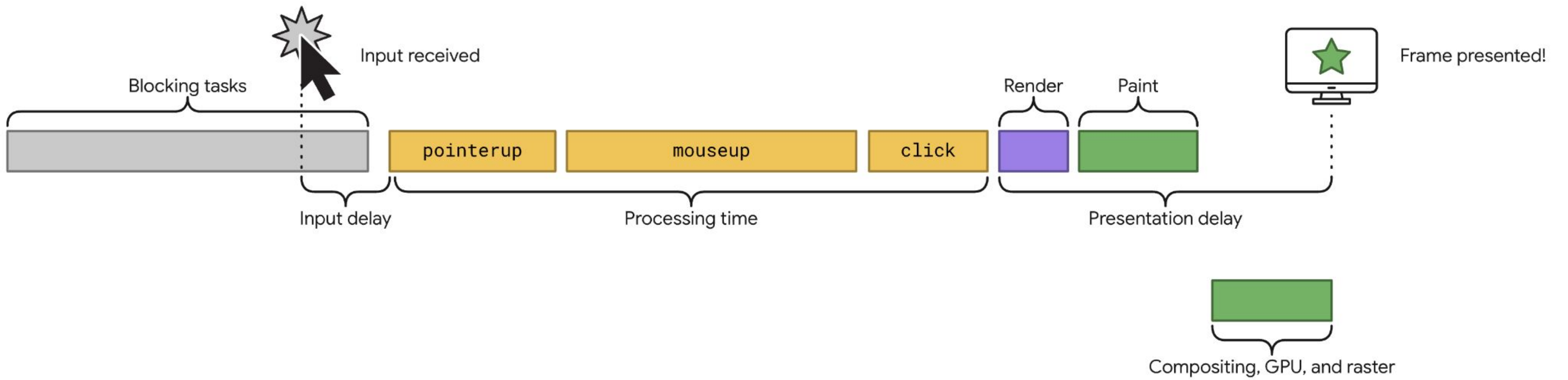
All user interactions within a page are considered: **pointer events** (click / tap), and **keyboard** interactions.

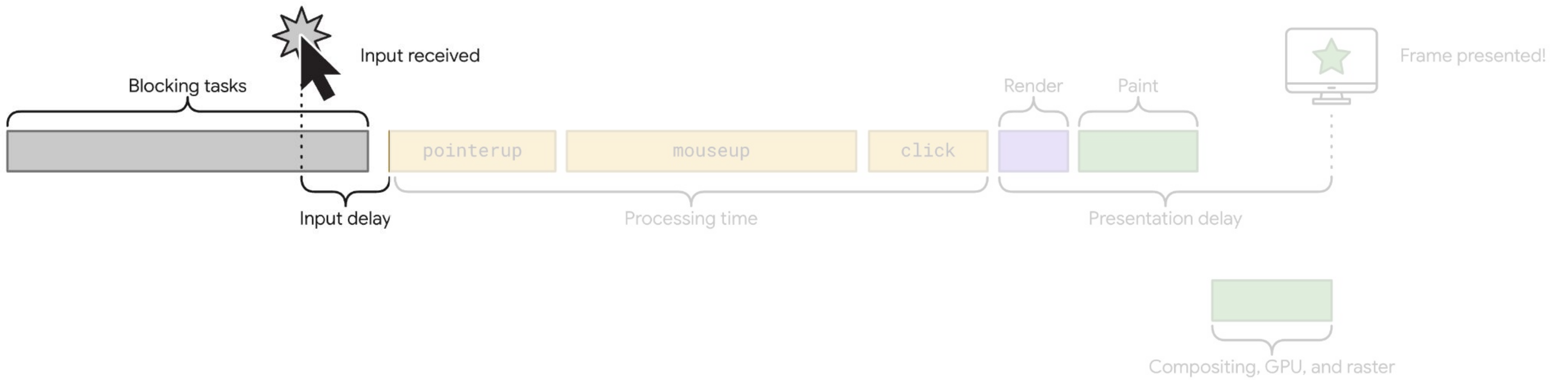
The **slowest interaction** is reported as the Interaction to Next Paint (INP) for the current page view.

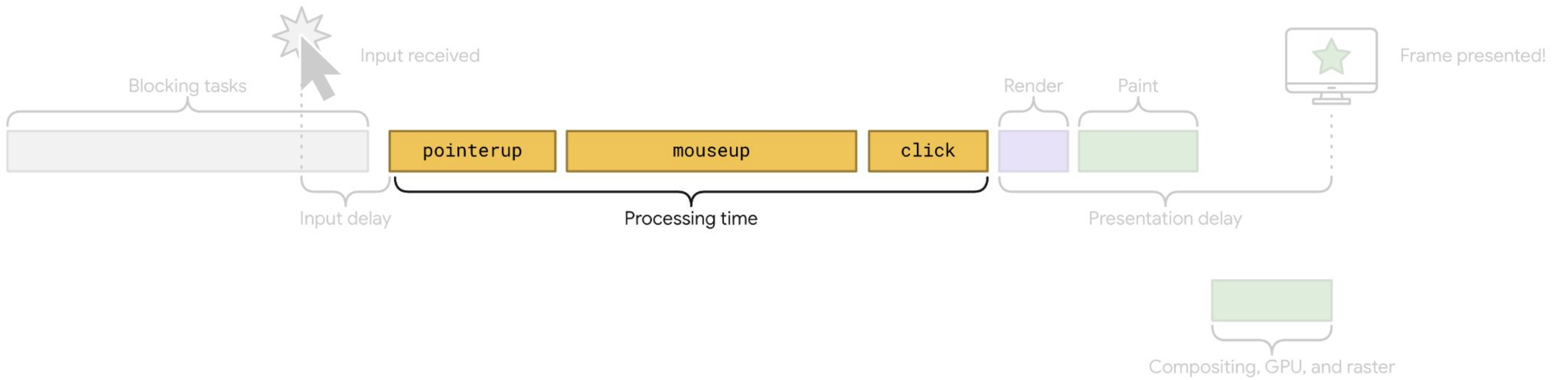
- 150 ms
- 300 ms
- 200 ms
- 250 ms
- 150 ms

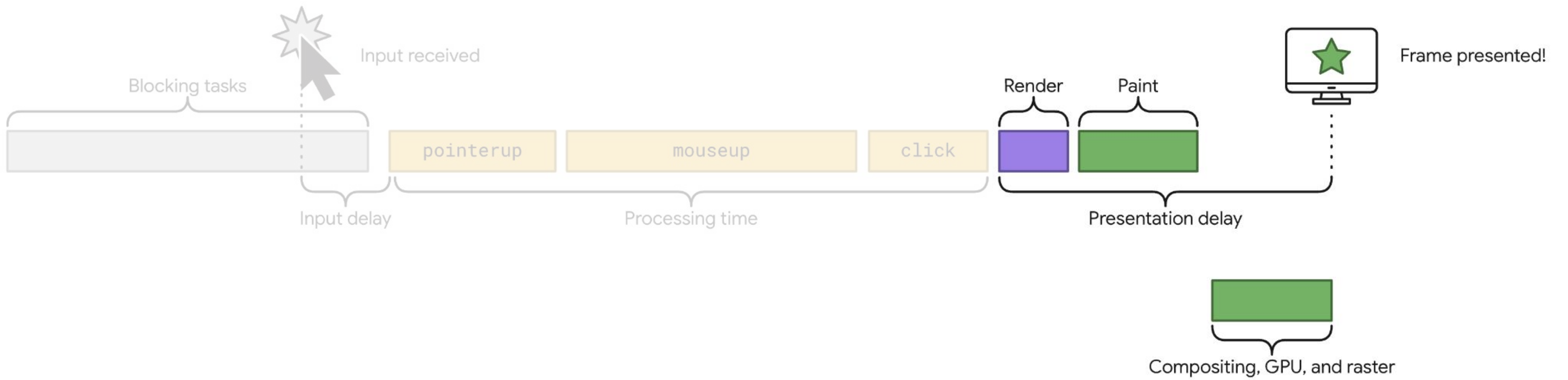
Reported INP value

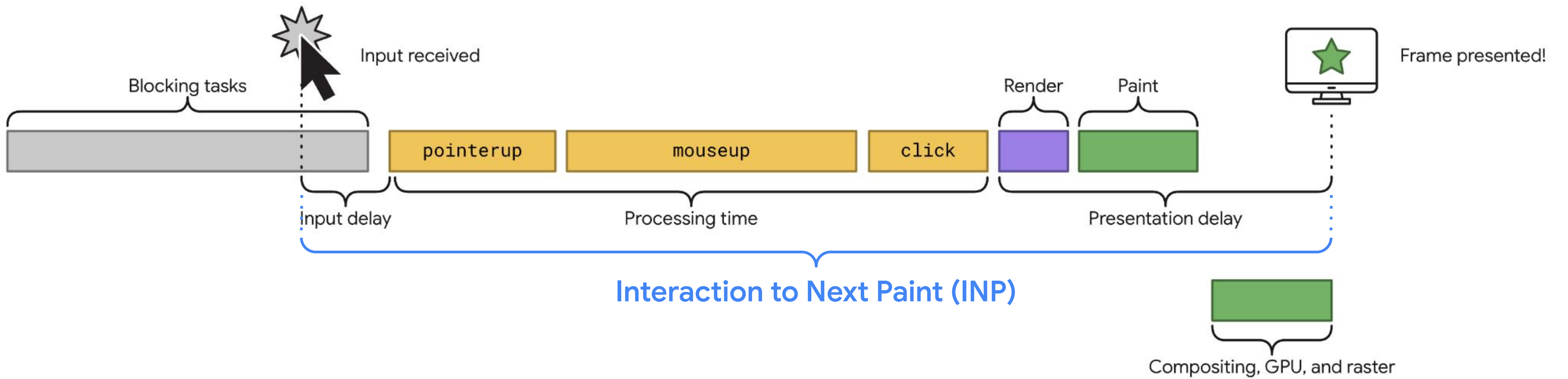












**Interaction to Next Paint (INP)**



What is Interaction  
to Next Paint (INP)?



Debugging slow  
interactions



Identified mistakes  
and solutions



# Have you debugged INP before?



Never tried to debug  
slow interactions

Tried to debug it,  
didn't find the issue

Debugged and  
found the issue



# Debugging INP

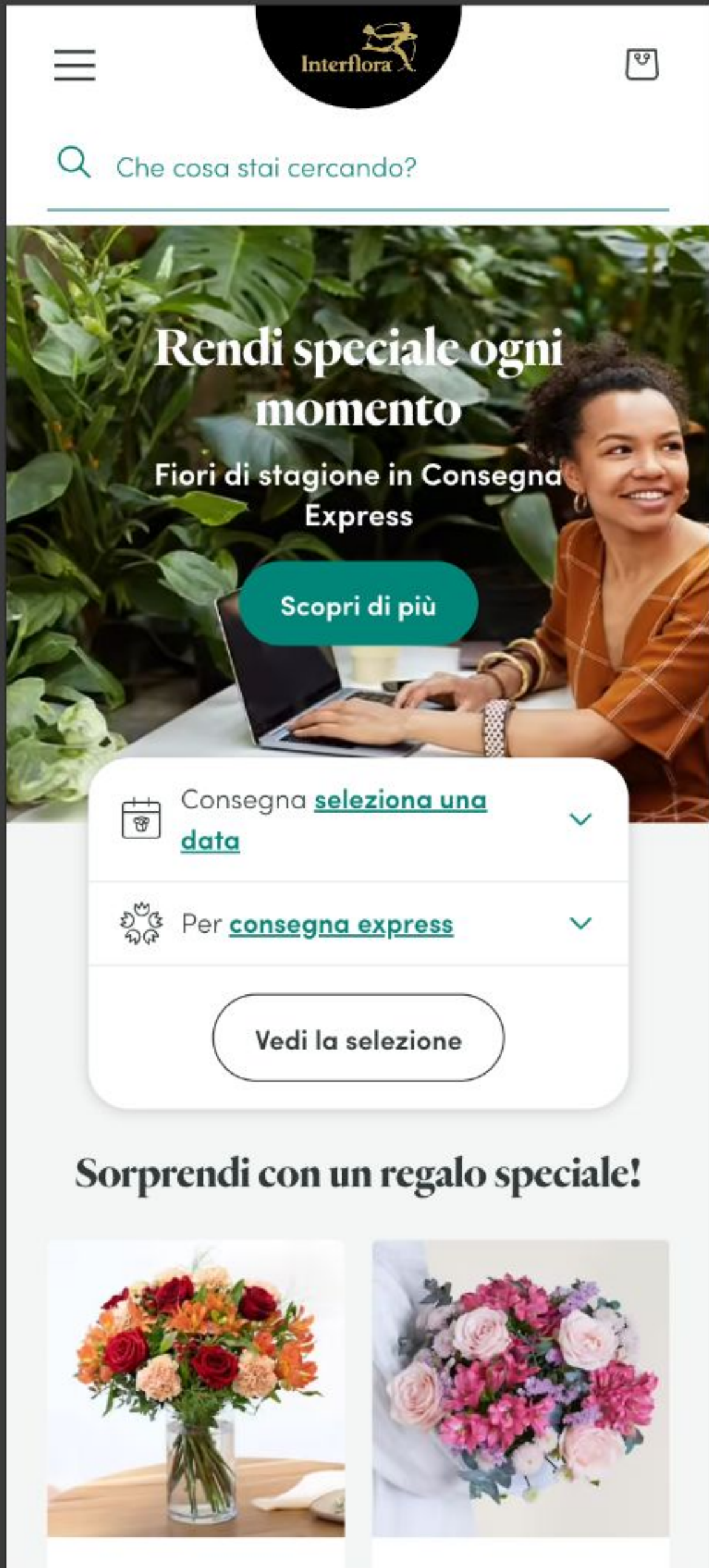
## 3 steps

1. **Find out where** the slowest interactions are occurring
  2. **Analyze the causes** of slow interactions
  3. **Fix the problem**
- a. **Manually** troubleshoot interactions
- b. **Leverage real user monitoring** data

# Debugging INP

## 3 steps

1. **Find out where** the slowest interactions are occurring
  2. **Analyze the causes** of slow interactions
  3. **Fix the problem**
- a. **Manually** troubleshoot interactions
  - b. Leverage real user monitoring data



### Local metrics

Largest Contentful Paint (LCP)

120 ms

Your local LCP 120 ms is good.

LCP Element [img](#)

Cumulative Layout Shift (CLS)

0.06

Your local CLS 0.06 is good.

Interaction to Next Paint (INP)

—

Interact with the page to measure INP.

The [local metrics](#) are captured from the current page using your network connection and device.

### Next steps

Field data

See how your local metrics compare to real user data in the [Chrome UX Report](#).

Set up

Environment settings

CPU: No throttling

Network: No throttling

Record

⌘ E

Record and reload

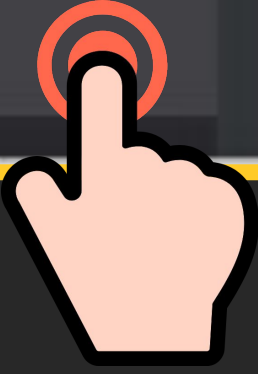
⌘ ⌥ E

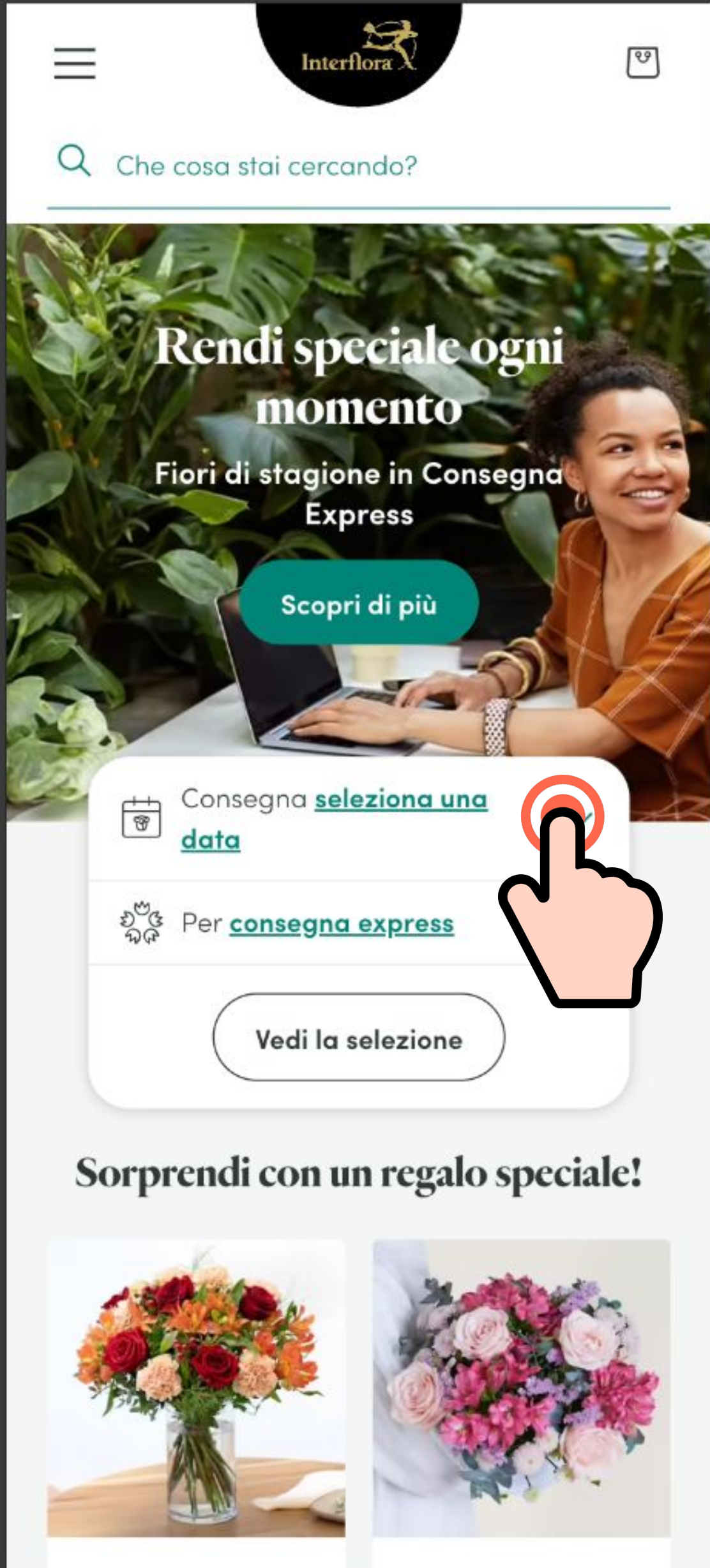
CPU: 6x slowdown ▲

No throttling ▼

4x slowdown

✓ 6x slowdown ⌘ E





### Local metrics

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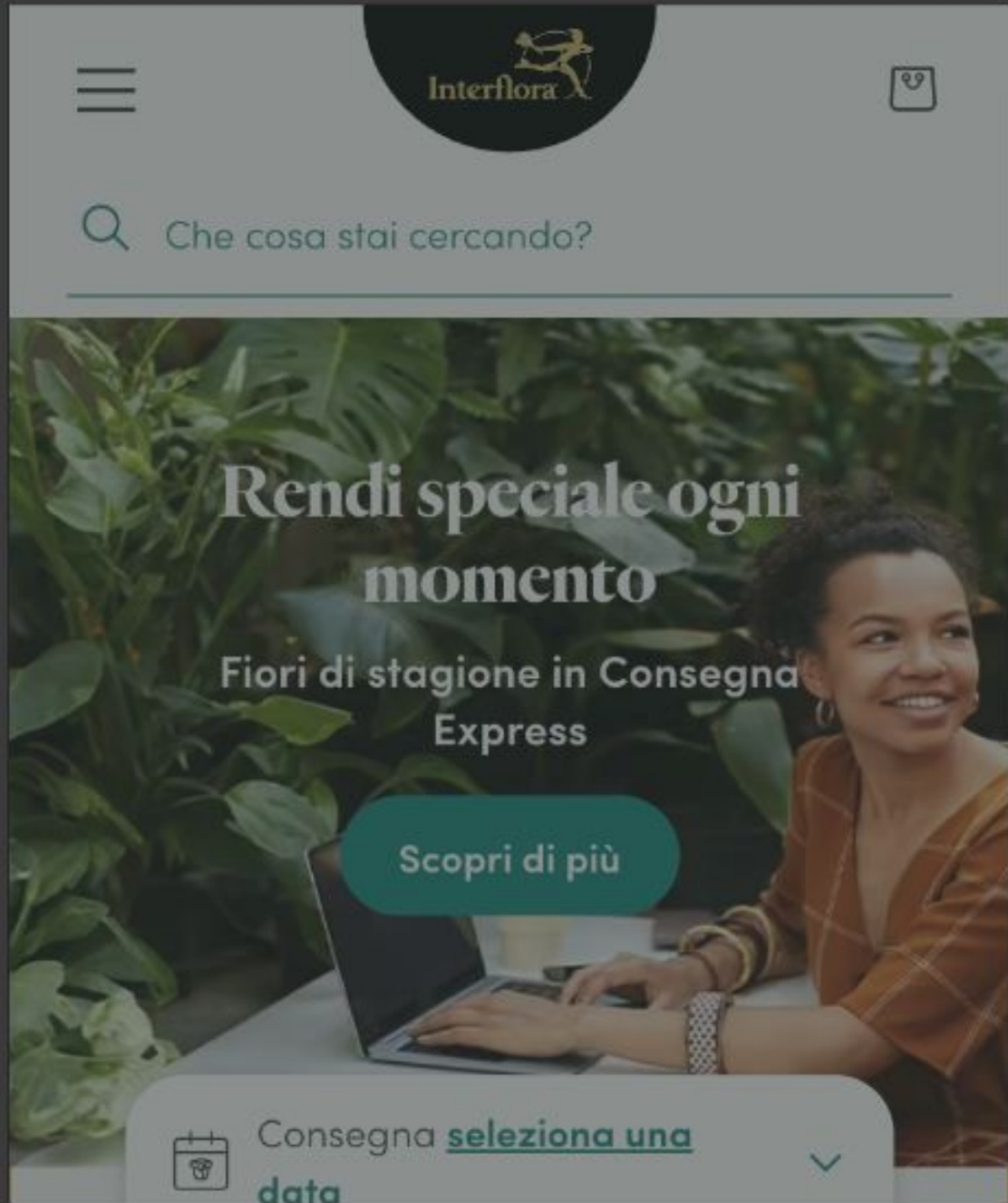
Environment settings

CPU: 6x slowdown

Network: No throttling

Record ⌘ E

Record and reload ⌘ ⇧ E



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Interaction to Next Paint (INP)

232 ms

Your local INP 232 ms needs improvement.

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### Interactions

pointer	<a href="#">i.IconInline.IconInline--arrow-alt-bottom</a>	24 ms
pointer	<a href="#">i.IconInline.IconInline--arrow-alt-bottom</a>	232 ms
keyboard	<a href="#">main.AfwHelper_PageContainer</a>	48 ms

### Next steps

#### Field data

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Set up

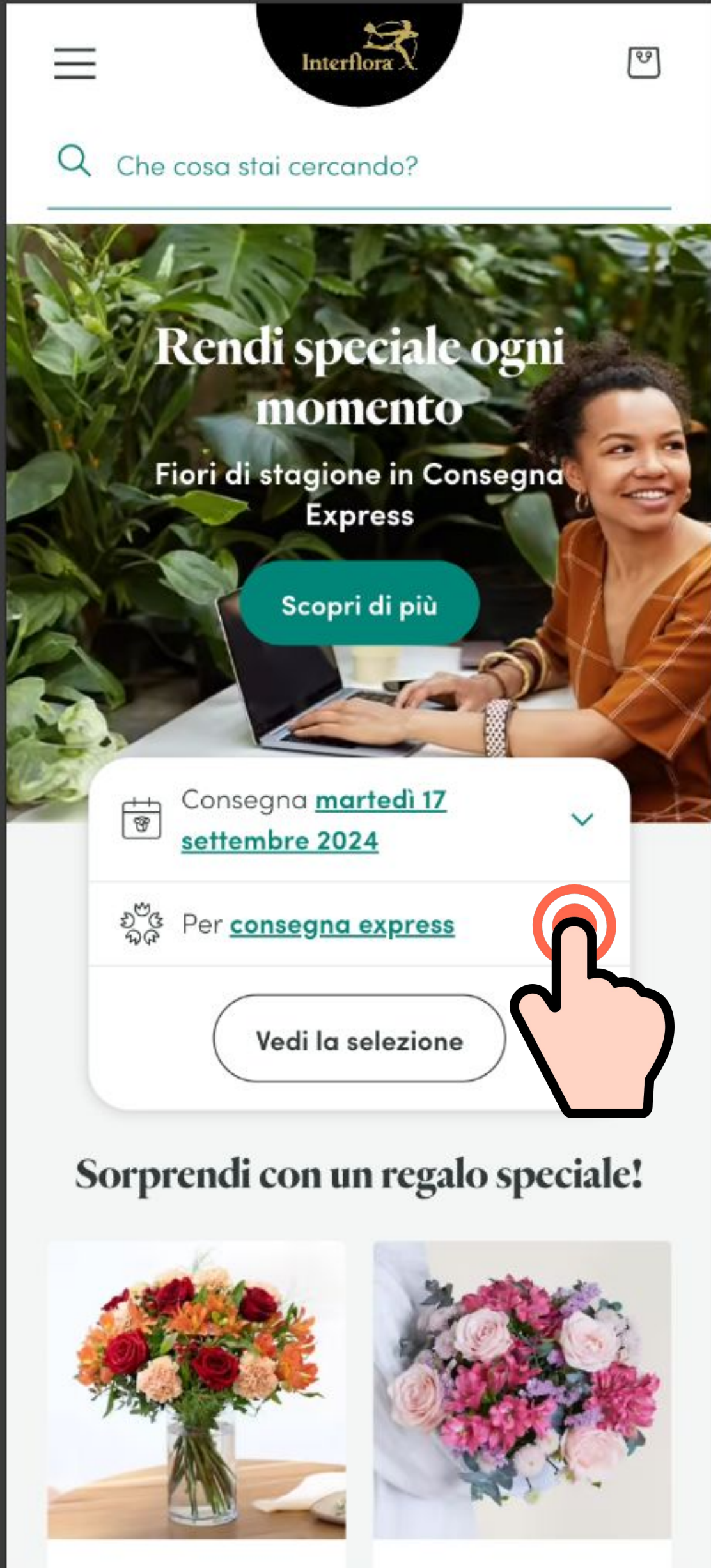
#### Environment settings

CPU: 6x slowdown

Network: No throttling

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Record and reload ⌘ ⇧ E



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keyboard	<a href="#">main.AfwHelper_PageContainer</a>	48 ms
pointer	<a href="#">span.vc-day-content.vc-focusable</a>	232 ms

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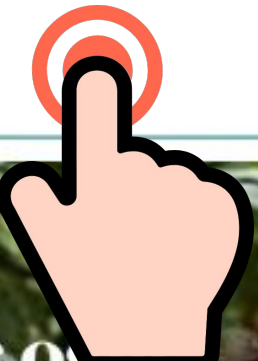
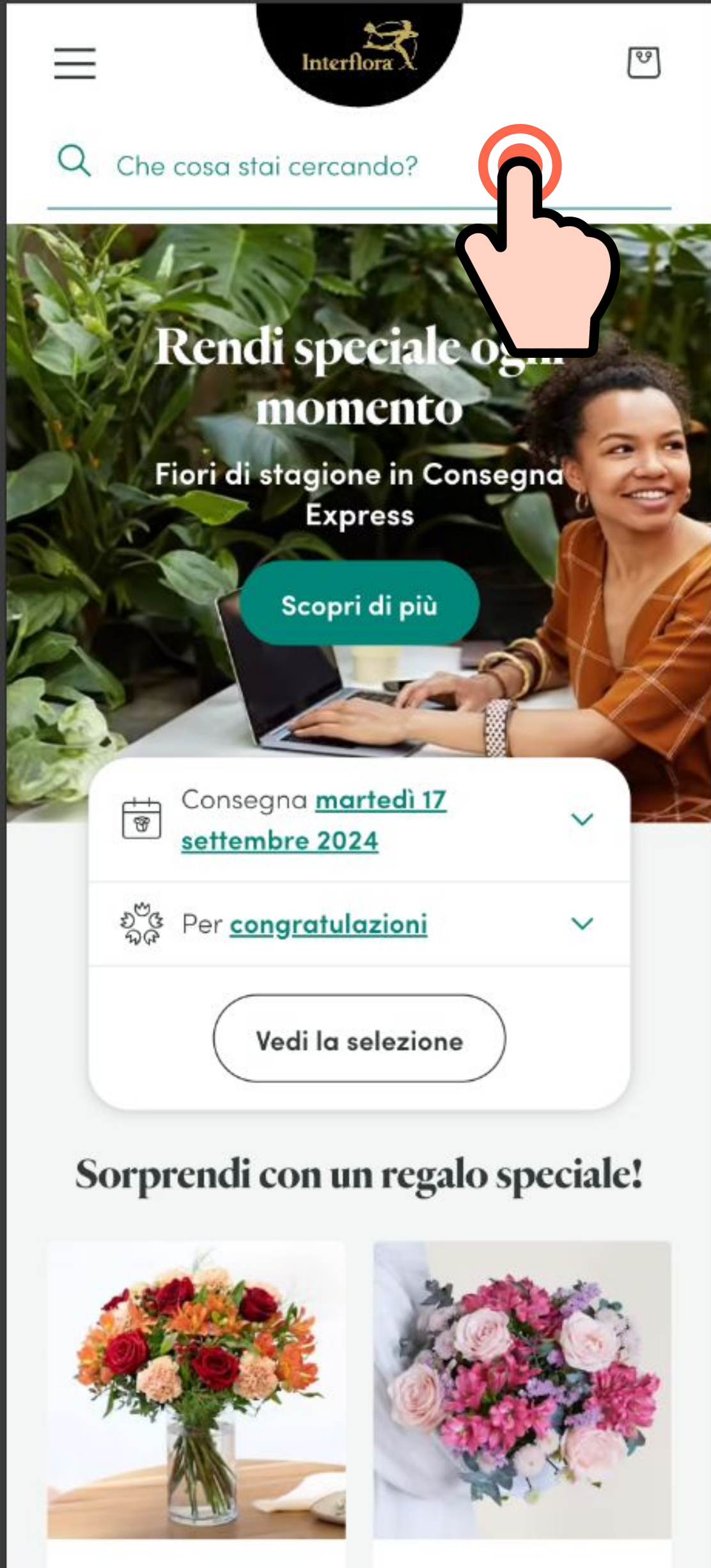
#### Environment settings

CPU: 6x slowdown

Network: No throttling

[Record](#) ⌘ E

[Record and reload](#) ⌘ ⬆ E



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keyboard	<code>main.AfwHelper_PageContainer</code>	48 ms
pointer	<code>span.vc-day-content.vc-focusable</code>	232 ms
pointer	<code>i.IconInline.IconInline--arrow-alt-bottom</code>	192 ms
pointer	<code>li.FormMomentsFirst-option.isSelected</code>	144 ms

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pointer	<a href="#">i.IconInline.IconInline--arrow-alt-bottom</a>	192 ms
pointer	<a href="#">li.FormMomentsFirst-option.isSelected</a>	144 ms
pointer	<a href="#">input#field_ru6bq82xi.FormField-fieldSearch</a>	96 ms
keyboard	<a href="#">input#field_ru6bq82xi.FormField-fieldSearch</a>	16 ms

### Next steps

#### Field data

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Set up

#### Environment settings

CPU: 6x slowdown

Network: No throttling

Record ⌘ E

Record and reload ⌘ ⇧ E

🔍 **Rose** Cancella

**Suggerimenti di ricerca**

- rose rosse
- rose bianche
- rose
- rose blu
- rose rosa

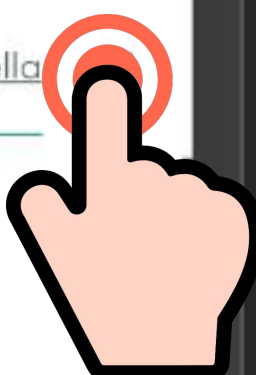
**Categorie**

- Tutti i fiori
- Rose**

**Prodotti** Vedi tutto

**Rose Rosse Premium**  
Rose lunghe con numero a scelta  
da **42,00€**

**Tre rose rosse**  
Bouquet di tre rose rosse a gambo lungo  
**29,99€**



### Local metrics

**Largest Contentful Paint (LCP)**

**120 ms**

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pointer	i.IconInline.IconInline--arrow-alt-bottom	192 ms
pointer	li.FormMomentsFirst-option.isSelected	144 ms
pointer	input#field_ru6bq82xi.FormField-fieldSearch	96 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	16 ms
pointer	input#field_ru6bq82xi.FormField-fieldSearch	40 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	64 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	24 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	56 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	64 ms

### Next steps

**Field data**

See how your local metrics compare to real user data in the [Chrome UX Report](#).

[Set up](#)

**Environment settings**

CPU: 6x slowdown

Network: No throttling

[Record](#) ⌘ E

[Record and reload](#) ⌘ ↶ E



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pointer	span.vc-day-content.vc-focusable	232 ms
pointer	i.IconInline.IconInline--arrow-alt-bottom	192 ms
pointer	li.FormMomentsFirst-option.isSelected	144 ms
pointer	input#field_ru6bq82xi.FormField-fieldSearch	96 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	16 ms
pointer	input#field_ru6bq82xi.FormField-fieldSearch	40 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	64 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	24 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	56 ms
keyboard	input#field_ru6bq82xi.FormField-fieldSearch	64 ms
pointer	span.LinkItem.ButtonClose.LinkItem--fallbackLink	112 ms

### Next steps

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Set up

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CPU: 6x slowdown

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Record ⌘ E

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232 ms

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### Next steps

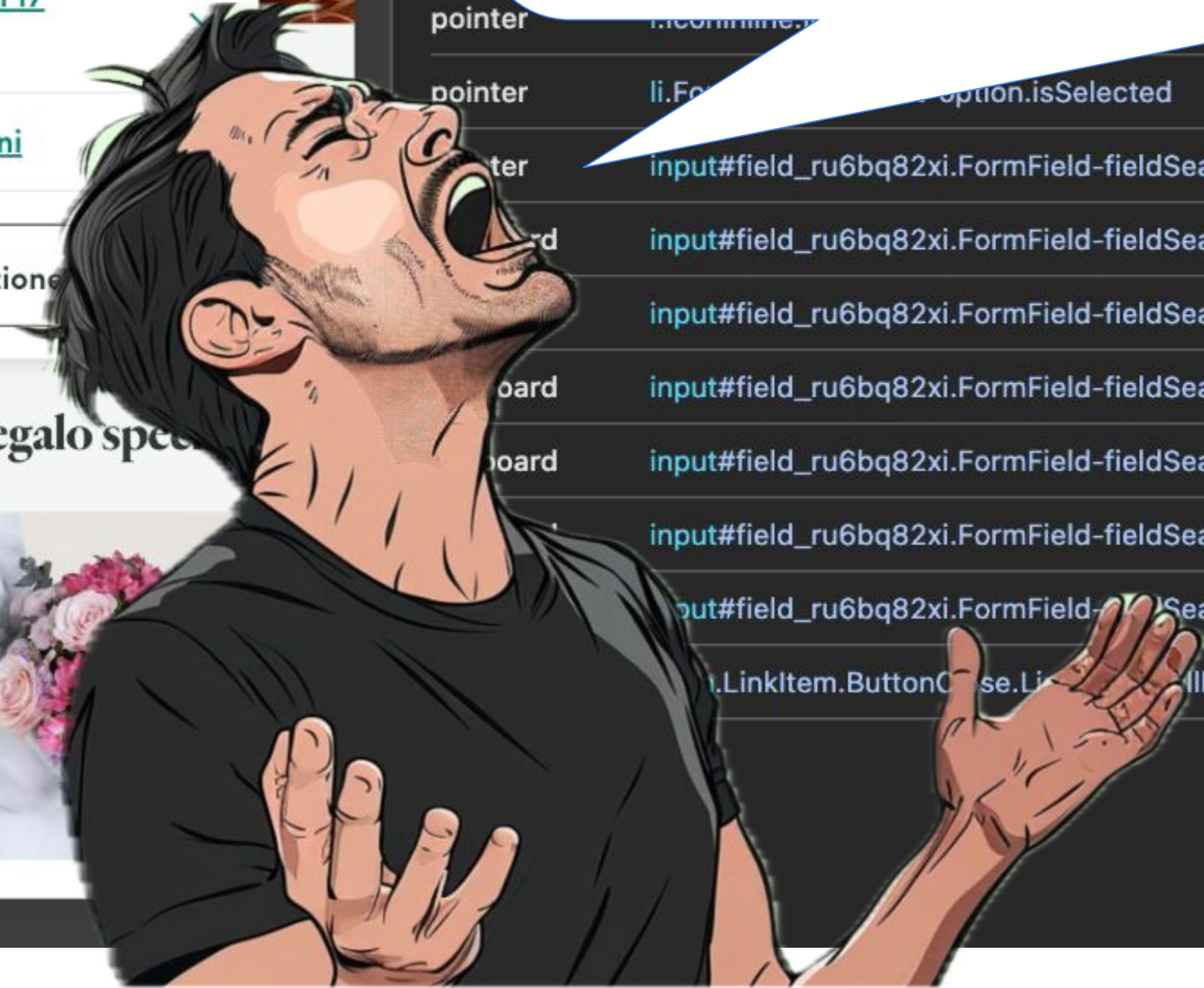
Field data

See how your local metrics compare to real user data in the [Chrome UX Report](#).

Set up

- Manual process, multiple steps
- No guarantee to find the slowest interaction
- Needs to be repeated for each page

pointer	mousedown	102 ms
pointer	mouseover	144 ms
pointer	click	96 ms
pointer	dblclick	16 ms
pointer	contextmenu	40 ms
pointer	mouseenter	64 ms
pointer	mouseleave	24 ms
pointer	mousemove	56 ms
pointer	mouseout	64 ms
pointer	mouseover	112 ms



# Debugging INP

## 3 steps

1. **Find out where** the slowest interactions are occurring
  2. **Analyze the causes** of slow interactions
  3. **Fix the problem**
- a. **Manually** troubleshoot interactions
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# Real User Monitoring (RUM)



Ongoing monitoring of users' experience



Spot problems and verify fixes in just minutes

Event	Element	INP	Occurred	Impact	InpDel	Process	PresDel	Device	Example ...
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled	310	4,328	1,341,680	37	197	80	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	386	3,486	1,345,596	251	53	88	Mobile	https://www....
pointer	div.OptionIcon-content>p.OptionIcon-label	619	2,665	1,649,635	28	515	75	Mobile	https://www....
pointer	span.vc-day-content.vc-focusable	340	2,403	817,020	30	224	84	Mobile	https://www....
pointer	a.LinkItem.ButtonSecondary.PaginatedList-loadmore.ButtonSecondary--outlined.ButtonSecondary	265	1,884	499,260	29	150	78	Mobile	https://www....
pointer	i.IconInline.IconInline--option-normal	592	1,313	777,296	28	496	72	Mobile	https://www....
pointer	ul.MenuMain-subMenuList>li.MenuMain-item>div.MenuMain-label>a.LinkItem.MenuMain-link	312	1,008	314,496	23	176	115	Mobile	https://www....
pointer	div.TeaserCard-picture>div.TeaserCard-overflow>picture.BlockPicture.BlockResizePicture>img	481	956	459,836	44	219	82	Mobile	https://www....
pointer	div.OptionIcon-content>div.OptionIcon-price>span.TagPrice	623	907	565,061	30	528	73	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed>button.BurgerMenu-trigger	1161	699	811,539	1,019	43	113	Mobile	https://www....
pointer	div.FunnelHeader-backButton>a.ButtonBack.hideOnDesktop	411	680	279,480	106	182	66	Mobile	https://www....
pointer	span.LinkItem.FilterBanner-link.LinkItem--fallbackLink	498	621	309,258	36	337	74	Mobile	https://www....
pointer	span.LinkItem.QuickAccess-link>i.IconInline.IconInline--tools-deliver	413	600	247,800	207	151	60	Mobile	https://www....
pointer	div.SelectQuantity.SelectQuantity--big>button.SelectQuantity-button>span	2727	339	924,453	844	1,627	62	Mobile	https://www....
pointer	main.AfwHelper_PageContainer>div.ProductList>div.AfwHelper_PageState.AfwHelper_PageState--	1302	246	320,292	1,206	3	68	Mobile	https://www....

A Event	A Element	123 INP	123 Occurred	123 Impact	123 InpDel	123 Process	123 PresDel	A Device	A Example ...
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled	310	4,328	1,341,680	37	197	80	Mobile	https://www...
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	386	3,486	1,345,596	251	53	88	Mobile	https://www...
pointer	div.OptionIcon-content>p.OptionIcon-label	619	2,665	1,649,635	28	515	75	Mobile	https://www...
pointer	span.vc-day-content.vc-focusable	340	2,403	817,020	30	224	84	Mobile	https://www...
pointer	a.LinkItem.ButtonSecondary.PaginatedList-loadmore.ButtonSecondary--outlined.ButtonSecondary	265	1,884	499,260	29	150	78	Mobile	https://www...
pointer	i.IconInline.IconInline--option-normal	592	1,313	777,296	28	496	72	Mobile	https://www...
pointer	ul.MenuMain-subMenuList>li.MenuMain-item>div.MenuMain-label>a.LinkItem.MenuMain-link	312	1,008	314,496	23	176	115	Mobile	https://www...

A Event	A Element
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger
pointer	div.OptionIcon-content>p.OptionIcon-label

Where is INP occurring?

Event	Element	123 INP	123 Occurred	123 Impact	123 InpDel	123 Process	123 PresDel	Device	Example ...
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled	310	4,328	1,341,680	37	197	80	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	386	3,486	1,345,596	251	53	88	Mobile	https://www....
pointer	div.OptionIcon-content>p.OptionIcon-label	619	2,665	1,649,635	28	515	75	Mobile	https://www....
pointer	span.vc-day-content.vc-focusable	340	2,403	817,020	30	224	84	Mobile	https://www....
pointer	a.LinkItem.ButtonSecondary.PaginatedList-loadmore.ButtonSecondary--outlined.ButtonSecondary	265	1,884	499,260	29	150	78	Mobile	https://www....
pointer	i.IconInline.IconInline--option-normal	552	1,313	777,296	28	496	72	Mobile	https://www....
pointer	ul.MenuMain-subMenuList>li.MenuMain-item>div.MenuMain-label>a.LinkItem.MenuMain-link	312	1,008	314,496	23	176	115	Mobile	https://www....
pointer	div.TeaserCard-picture>div.TeaserCard-overflow>picture				44	219	82	Mobile	https://www....
pointer	div.OptionIcon-content>div.OptionIcon-price>span.Tag				30	528	73	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	310	4,328	1,341,680	1,019	43	113	Mobile	https://www....
pointer	div.FunnelHeader-backButton>a.ButtonBack.hideOnDesktop				106	182	66	Mobile	https://www....
pointer	span.LinkItem.FilterBanner-link.LinkItem--fallbackLink	386	3,486	1,345,596	36	337	74	Mobile	https://www....
pointer	span.LinkItem.QuickAccess-link>i.IconInline.IconInline--option-normal				207	151	60	Mobile	https://www....
pointer	div.SelectQuantity.SelectQuantity--big>button.SelectQuantity	619	2,665	1,649,635	844	1,627	62	Mobile	https://www....

How bad is it?

Event	Element	INP	Occurred	Impact	InpDel	Process	PresDel	Device	Example ...
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled	310	4,328	1,341,680	37	197	80	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	386	3,486	1,345,596	251	53	88	Mobile	https://www....
pointer	div.OptionIcon-content>p.OptionIcon-label	619	2,665	1,649,635	28	515	75	Mobile	https://www....
pointer	span.vc-day-content.vc-focusable	340	2,403	817,020	30	224	84	Mobile	https://www....
pointer	a.LinkItem.ButtonSecondary.PaginatedList-loadmore.ButtonSecondary--outlined.ButtonSecondary	265	1,884	499,260	29	150	78	Mobile	https://www....
pointer	i.IconInline.IconInline--option-normal	592	1,313	777,296	28	496	72	Mobile	https://www....
pointer	ul.MenuMain-subMenuList>li.MenuMain-item>div.MenuMain-label>a.LinkItem.MenuMain-link	412	1,008	314,496	23	176	115	Mobile	https://www....
pointer	div.TeaserCard-picture>div.TeaserCard-overflow>picture.B	6			44	219	82	Mobile	https://www....
pointer	div.OptionIcon-content>div.OptionIcon-price>span.TagPric	1			30	528	73	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reverse	9			1,019	43	113	Mobile	https://www....
pointer	div.FunnelHeader-backButton>a.ButtonBack.hideOnDeskt	0			106	182	66	Mobile	https://www....
pointer	span.LinkItem.FilterBanner-link.LinkItem--fallbackLink	8			36	337	74	Mobile	https://www....
pointer	span.LinkItem.QuickAccess-link>i.IconInline.IconInline--t	0			207	151	60	Mobile	https://www....
pointer	div.SelectQuantity.SelectQuantity--big>button.SelectQuant	3			844	1,627	62	Mobile	https://www....
pointer	main.AfwHelper_PageContainer>div.ProductList>div.AfwH	7			1,206	3	68	Mobile	https://www....

123 InpDel	123 Process	123 PresDel
37	197	80
251	53	88
28	515	75

Which part should I investigate?

Event	Element	INP	Occurred	Impact	InpDel	Process	PresDel	Device	Example ...
pointer	button.LinkItem.ButtonPrimary.LinkItem--fallbackLink.ButtonPrimary--disabled	310	4,328	1,341,680	37	197	80	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed.isOpened>button.BurgerMenu-trigger	386	3,486	1,345,596	251	53	88	Mobile	https://www....
pointer	div.OptionIcon-content>p.OptionIcon-label	619	2,665	1,649,635	28	515	75	Mobile	https://www....
pointer	span.vc-day-content.vc-focusable	340	2,403	817,020	30	224	84	Mobile	https://www....
pointer	a.LinkItem.ButtonSecondary.PaginatedList-loadmore.ButtonSecondary--outlined.ButtonSecondary	265	1,884	499,260	29	150	78	Mobile	https://www....
pointer	i.IconInline.IconInline--option-normal	592	1,313	777,296	28	496	72	Mobile	https://www....
pointer	ul.MenuMain-subMenuList>li.MenuMain-item>div.MenuMain-label>a.LinkItem MenuMain-link	317	1,008	314,496	23	176	115	Mobile	https://www....
pointer	div.TeaserCard-picture>div.TeaserCard-overflow>picture.BlockPicture			459,836	44	219	82	Mobile	https://www....
pointer	div.OptionIcon-content>div.OptionIcon-price>span.TagPrice			565,061	30	528	73	Mobile	https://www....
pointer	div.SiteHeader-nav>div.BurgerMenu.BurgerMenu--reversed>button.B			811,539	1,019	43	113	Mobile	https://www....
pointer	div.FunnelHeader-backButton>a.ButtonBack.hideOnDesktop			279,480	106	182	66	Mobile	https://www....
pointer	span.LinkItem.FilterBanner-link.LinkItem--fallbackLink			309,258	36	337	74	Mobile	https://www....
pointer	span.LinkItem.QuickAccess-link>i.IconInline.IconInline--tools-delive			247,800	207	151	60	Mobile	https://www....
pointer	div.SelectQuantity.SelectQuantity--big>button.SelectQuantity-button			924,453	844	1,627	62	Mobile	https://www....
pointer	main.AfwHelper_PageContainer>div.ProductList>div.AfwHelper_Page			320,292	1,206	3	68	Mobile	https://www....

Where can I reproduce it?

“RUM data has saved me countless hours when auditing Core Web Vitals”

Andrea Verlicchi

```
function filterStudies({ studies, filterByOrg = false, filterByLeadOrganizat
```


# Debugging INP

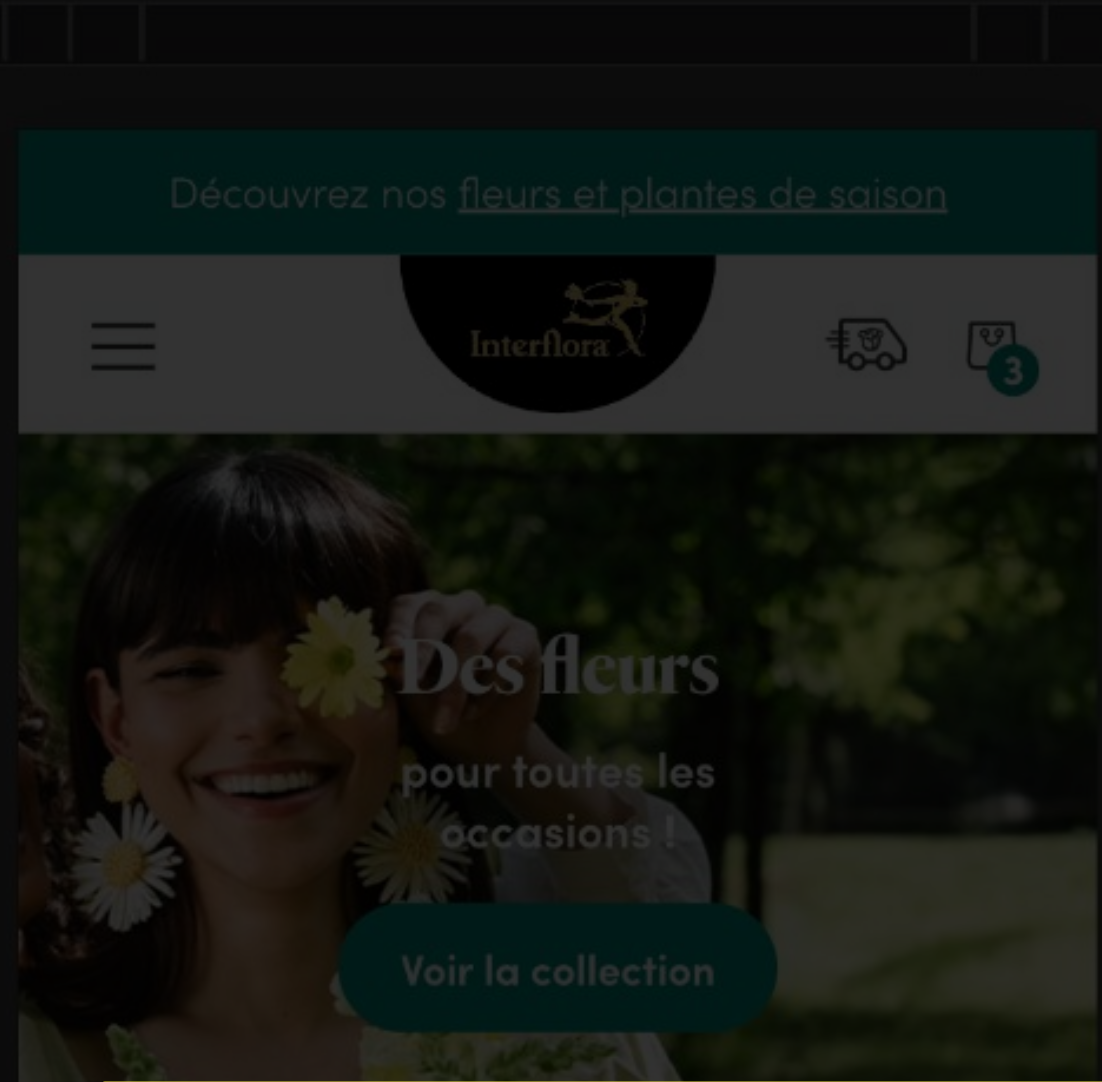
## 3 steps

1. Find out where the slowest interactions are occurring
  2. **Analyze the causes** of slow interactions
  3. Fix the problem
- a. **Manually** troubleshoot interactions
- b. Leverage real user monitoring data

# Take a slow interaction

A Event	A Element	A Device	A Example UF
pointer	<span>span.vc-day-content.vc-focusable</span>	Mobile	https://www.int

123 INP	123 Occ... 	123 Impact	123 InpDel	123 Process	123 PresDel
345	2,201	759,345	30	227	84



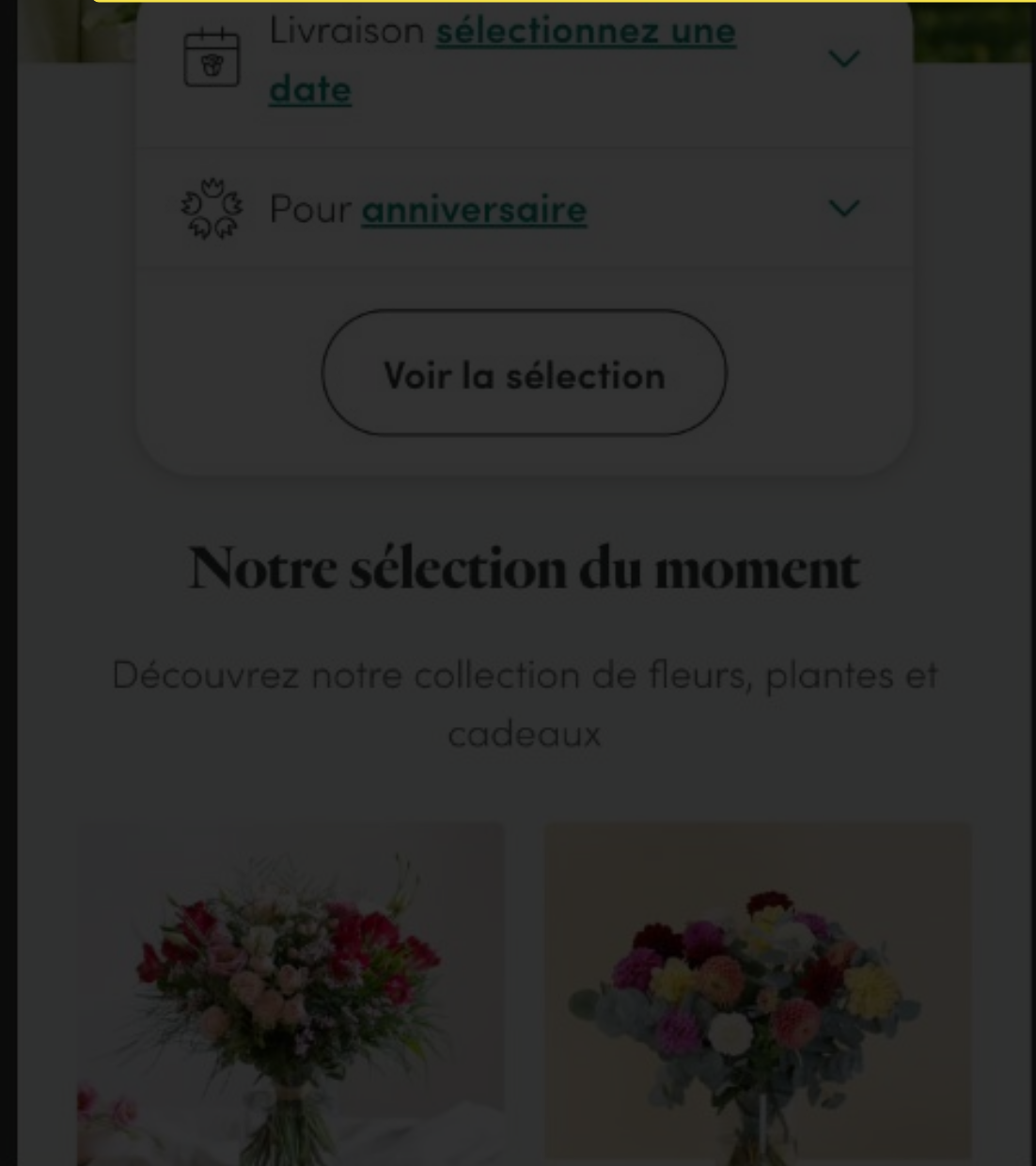
```
<!DOCTYPE html>
<html lang="fr">
  <head>
  </head>
  <body data-frz-flags="{"lazyload":false,"deferjs":false,"cssontop":false,"minifyhtml":true,"concatcss":true,"minifycss":true,"concatjs":false,"minifyjs":false,"early-hints":true,"unsharding":true,"responsive":false,"edge_speed":true,"edge_seo":true}" data-frz-version="2">
    <p class="sr-only" tabindex="-1">Interflora : livraison de fleurs à domicile en 4H</p>
    
    <div id="__nuxt">
    </div>
    <script>
    </script>
    <script src="/_nuxt/runtime.1e0d6fe...js" defer></script>
    <script src="/_nuxt/ac54ca9.js" defer></script>
    <script src="/_nuxt/d6e60cb.js" defer></script>
    <script src="/_nuxt/ac26a49.js" defer></script>
    <script src="/_nuxt/25652c9.js" defer></script>
    <script src="/_nuxt/e6c2a4c.js" defer></script>
    <script src="/_nuxt/68b5184.js" defer></script>
    <script src="/_nuxt/f87186c.js" defer></script>
    <script src="/_nuxt/f9fd442.js" defer></script>
    <script src="/_nuxt/fc33da8.js" defer></script>
    <script src="/_nuxt/hcff28b.js" defer></script>
```

Styles Computed Layout Event Listeners

Filter

```
element.style {
}
script {
  display: none;
}
Inherited from body
body {
  line-height: 1;
}
a, abbr, acronym, address, applet,
article, aside, audio, b, big,
blockquote, body, canvas, caption, center, cite,
code, dd, del, details, dfn, div, dl, dt, em,
embed, fieldset, figcaption, figure, footer,
form, h1, h2, h3, h4, h5, h6, header, hgroup,
html, i, iframe, img, ins, kbd, label, legend,
li, main, mark, menu, nav, object, ol, output,
p, pre, q, ruby, s, samp, section, small, span,
strike, strong, sub, summary, sup, table, tbody,
```

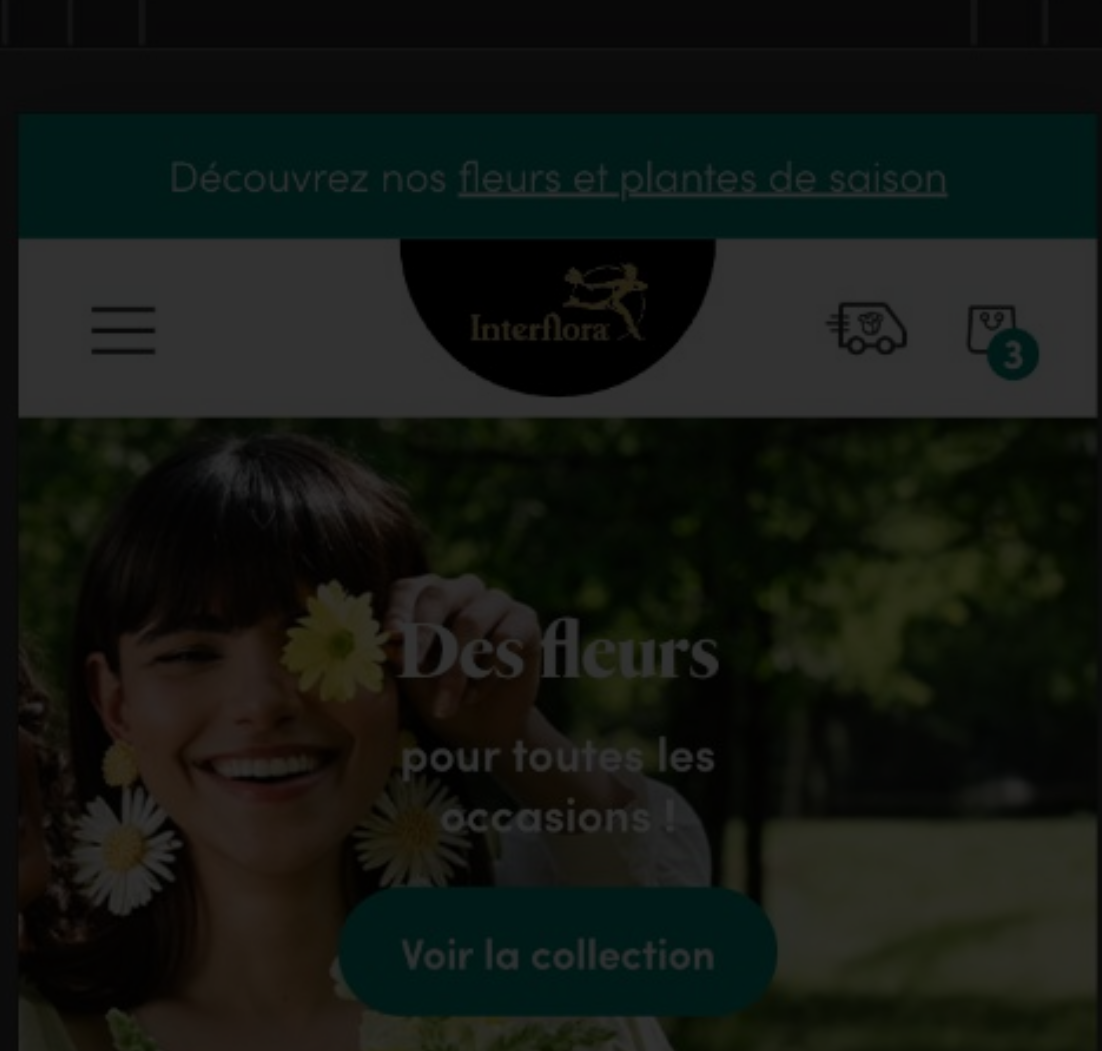
Find by string, selector, or XPath



```
<script src="/_nuxt/1bc042e.js" defer></script>
<script src="/_nuxt/b851a1c.js" defer></script>
<script src="/_nuxt/ffbcc50.js" defer></script>
<script src="/_nuxt/9c1d9fa.js" defer></script>
<script src="/_nuxt/7e524bd.js" defer></script>
<script src="/_nuxt/d277d91.js" defer></script>
<script src="/_nuxt/791a33a.js" defer></script>
<script src="/_nuxt/a2c1fc1.js" defer></script>
<script src="/_nuxt/02d2b39.js" defer></script>
<script type="text/frzjs" orig_index="9999999">
</script>
<script src="/fstrz/beacon-2.0.6.min.js" defer data-bststs-server="https://www.interflora.fr/fstrz/r/stats-euwest1.fzcdn.net" data-speed-index-ratio="10" data-collect-stats="true" data-config-id="2986" data-track-sessions="false" data-page-type"></script>
<script> console.log("global"); console.log("home 2"); </script>
<script type="text/javascript" src="https://interfloraru...app.bagend.com/v1/speedkit/install.js?d=production" crossorigin="anonymous" async"></script>
<div id="onetrust-consent-sdk">
</div>
<div class="OverlayBox OverlayBox--animateFromTheBottom OverlayBox--custom">
</div>
<div class="OverlayBox OverlayBox--animateFromTheBottom OverlayBox--flexible">
</div>
<div class="OverlayBox OverlayBox--animateFromTheBottom">
</div>
<script type="text/javascript" id=">
</script>
<script type="text/javascript" id=">
</script>
<script type="text/javascript" id src="https://tag.atidc...net/piano-analytcs.is"></script>
```

```
font-size: 100%;
font: inherit;
vertical-align: baseline;
}
body {
  font-size: 16px;
  line-height: 1.5;
}
.AfwHelper_TextLink, body,
body.isFixture:after {
  font-weight: 400;
  font-style: normal;
  font-family: "Sofia Pro", sans-serif;
  -webkit-font-feature-settings: "kern";
  font-feature-settings: "kern";
  font-kerning: normal;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
body {
  color: #303938;
  color: var(--DS-colors-grayscale-black);
}
body {
  line-height: 1;
}
a, abbr, acronym, address, applet,
article, aside, audio, b, big,
```

Find by string, selector, or XPath



```

<span data-v-1623f44d aria-label="lundi 26 août 2024" aria-disabled="true" role="button"
class="vc-day-content vc-focusable is-disabled">26</span> == $0
</div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-27 day-27 day-from-end-5 weekday-3
weekday-position-2 weekday-ordinal-4 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
onth on-top vc-day-box-center-center is-not-in-month"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-28 day-28 day-from-end-4 weekday-4
weekday-position-3 weekday-ordinal-4 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
onth on-top vc-day-box-center-center is-not-in-month"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-29 day-29 day-from-end-3 weekday-5
weekday-position-4 weekday-ordinal-5 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
onth on-top vc-day-box-center-center is-not-in-month"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-30 day-30 day-from-end-2 weekday-6
weekday-position-5 weekday-ordinal-5 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
onth on-top vc-day-box-center-center is-not-in-month"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-31 day-31 day-from-end-1 weekday-7
weekday-position-6 weekday-ordinal-5 weekday-ordinal-from-end-0 week-5 week-from-end-1 in-prev-m
onth on-top vc-day-box-center-center is-not-in-month"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-01 day-1 day-from-end-30 weekday-1
weekday-position-7 weekday-ordinal-1 weekday-ordinal-from-end-5 week-1 week-from-end-6 is-first-
day in-month on-top on-right vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-02 day-2 day-from-end-29 weekday-2

```

Styles Computed Layout Event Listeners

Filter

```

element.style {
}
.DatePicker .vc-container .vc- (index):89
day.in-next-month .vc-day-content,
.DatePicker .vc-container .vc-day.in-next-month
.vc-day-layer, .DatePicker .vc-container .vc-
day.in-prev-month .vc-day-content, .DatePicker
.vc-container .vc-day.in-prev-month .vc-day-
layer {
display: none;
}
.DatePicker .vc-container .vc-day- (index):89
content.is-disabled {
pointer-events: none;
}
.DatePicker .vc-container .vc-day- (index):89
content.is-disabled {
color: #ddd;
color: var(--DS-colors-grayscale-neutral);
}

```

span.vc-day-content.vc-focusable 1 of 42

Livraison sélectionnez une date

Pour anniversaire

Voir la sélection

### Notre sélection du moment

Découvrez notre collection de fleurs, plantes et cadeaux

```

<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-04 day-4 day-from-end-27 weekday-4
weekday-position-3 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-05 day-5 day-from-end-26 weekday-5
weekday-position-4 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-06 day-6 day-from-end-25 weekday-6
weekday-position-5 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-07 day-7 day-from-end-24 weekday-7
weekday-position-6 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-08 day-8 day-from-end-23 weekday-1
weekday-position-7 weekday-ordinal-2 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
on-right vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-09 day-9 day-from-end-22 weekday-2
weekday-position-1 weekday-ordinal-2 weekday-ordinal-from-end-4 week-3 week-from-end-4 is-today
in-month on-left vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-10 day-10 day-from-end-21 weekday-3
weekday-position-2 weekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-mont
h vc-day-box-center-center"></div> flex
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-11 day-11 day-from-end-20 weekday-4
weekday-position-3 weekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-mont

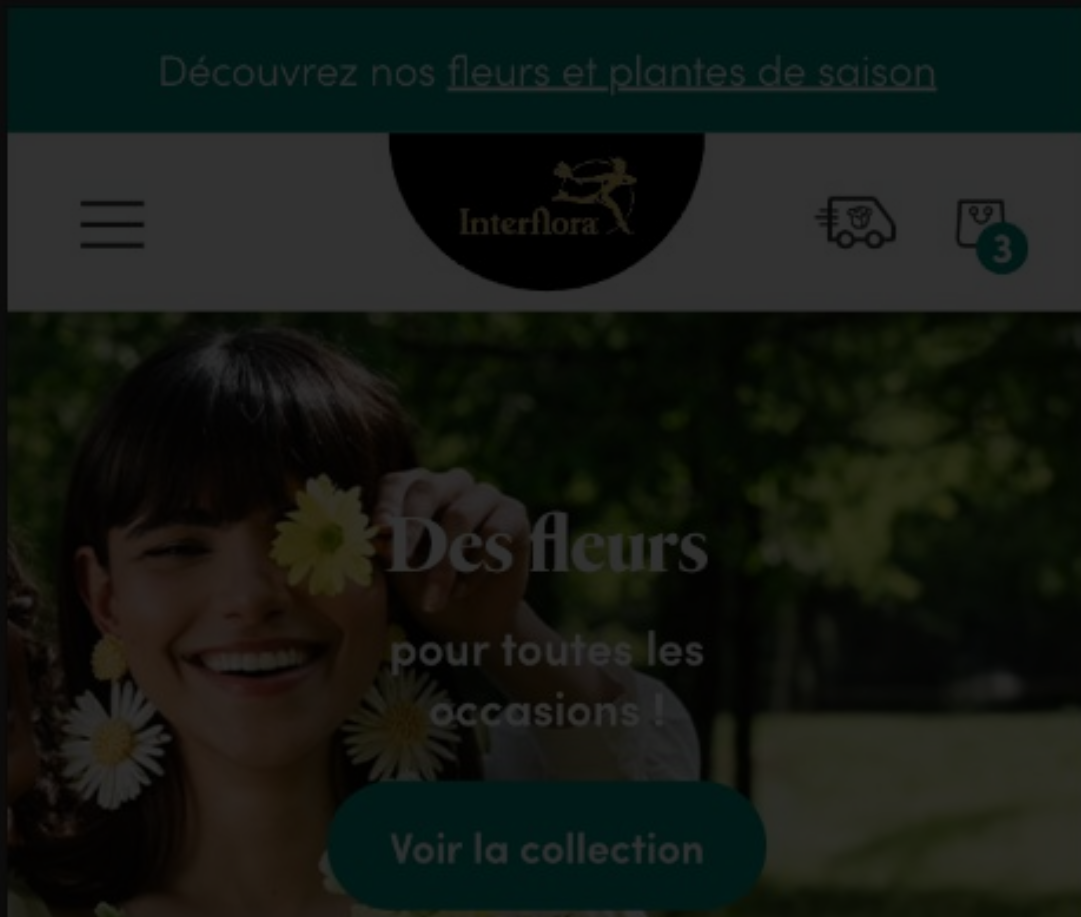
```

```

.vc-day.is-not-in-month *[data-v-1623f44d] {
opacity: 0;
pointer-events: none;
}
.DatePicker .vc-container .vc-day- (index):89
content {
display: inline-flex;
width: auto;
margin: 0;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item {
position: relative;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item,
.DatePicker .vc-container .vc-nav-popover-
container .vc-nav-title, .DatePicker .vc-
container .vc-title {
text-align: center;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item {
display: inline-block;
cursor: pointer;
height: var(--DatePicker-nav-size);

```

span.vc-day-content.vc-focusable 1 of 42



date

Pour anniversaire

Voir la sélection



```
<span data-v-1623f44d aria-label="lundi 26 août 2024" aria-disabled="true" role="button" class="vc-day-content vc-focusable is-disabled">26</span> == $0
```

```
<span data-v-1623f44d aria-label="lundi 26 août 2024" aria-disabled="true" role="button" class="vc-day-content vc-focusable is-disabled">26</span> == $0
```

```
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-04 day-4 day-from-end-27 weekday-4 weekday-position-3 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-05 day-5 day-from-end-26 weekday-5 weekday-position-4 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-06 day-6 day-from-end-25 weekday-6 weekday-position-5 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-07 day-7 day-from-end-24 weekday-7 weekday-position-6 weekday-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-08 day-8 day-from-end-23 weekday-1 weekday-position-7 weekday-ordinal-2 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month on-right vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-09 day-9 day-from-end-22 weekday-2 weekday-position-1 weekday-ordinal-2 weekday-ordinal-from-end-4 week-3 week-from-end-4 is-today in-month on-left vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-10 day-10 day-from-end-21 weekday-3 weekday-position-2 weekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-month h vc-day-box-center-center"></div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-09-11 day-11 day-from-end-20 weekday-4 weekday-position-3 weekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-month
```

Styles Computed Layout Event Listeners

Filter

```
element.style {
}
.DatePicker .vc-container .vc-day.in-next-month .vc-day-content, .DatePicker .vc-container .vc-day.in-next-month .vc-day-layer, .DatePicker .vc-container .vc-day.in-prev-month .vc-day-content, .DatePicker .vc-container .vc-day.in-prev-month .vc-day-layer {
  display: none;
}
.DatePicker .vc-container .vc-day-content.is-disabled {
  pointer-events: none;
}
.DatePicker .vc-container .vc-day-content.is-disabled {
  color: #ddd;
  color: var(--DS-colors-grayscale-neutral);
}
1623f44d {
  opacity: 0;
  pointer-events: none;
}
.DatePicker .vc-container .vc-day-content {
  display: inline-flex;
  width: auto;
  margin: 0;
}
.DatePicker .vc-container .vc-day-content, .DatePicker .vc-container .vc-nav-popover-container .vc-nav-item {
  position: relative;
}
.DatePicker .vc-container .vc-day-content, .DatePicker .vc-container .vc-nav-popover-container .vc-nav-item, .DatePicker .vc-container .vc-nav-popover-container .vc-nav-title, .DatePicker .vc-container .vc-title {
  text-align: center;
}
.DatePicker .vc-container .vc-day-content, .DatePicker .vc-container .vc-nav-popover-container .vc-nav-item {
  display: inline-block;
  cursor: pointer;
  height: var(--DatePicker-nav-size);
```

# Sélectionnez votre date

Sept. 2024

div.vc-day.id-2024-09-03.d  
ay-3.day-from-end-28.week  
day-3.weekday-position-2.  
weekda...

45.14 x 32

2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

```

<span data-v-1623f44d aria-label="lundi 26 août 2024" aria-disabled="true" role="button"
class="vc-day-content vc-focusable is-disabled">26</span> == $0
</div>
<div data-v-1623f44d data-v-22657c30 class="vc-day id-2024-08-27 day-27 day-from-end-5 weekday-3
day-ordinal-4 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
center-center is-not-in-month">...</div>
ta-v-22657c30 class="vc-day id-2024-08-28 day-28 day-from-end-4 weekday-4
day-ordinal-4 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
center-center is-not-in-month">...</div>
ta-v-22657c30 class="vc-day id-2024-08-29 day-29 day-from-end-3 weekday-5
day-ordinal-5 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
center-center is-not-in-month">...</div>
ta-v-22657c30 class="vc-day id-2024-08-30 day-30 day-from-end-2 weekday-6
day-ordinal-5 weekday-ordinal-from-end-1 week-5 week-from-end-1 in-prev-m
center-center is-not-in-month">...</div>
ta-v-22657c30 class="vc-day id-2024-08-31 day-31 day-from-end-1 weekday-7
day-ordinal-5 weekday-ordinal-from-end-0 week-5 week-from-end-1 in-prev-m
center-center is-not-in-month">...</div>
ta-v-22657c30 class="vc-day id-2024-09-01 day-1 day-from-end-30 weekday-1
day-ordinal-1 weekday-ordinal-from-end-5 week-1 week-from-end-6 is-first-
right vc-day-box-center-center">...</div>
ta-v-22657c30 class="vc-day id-2024-09-02 day-2 day-from-end-29 weekday-2
day-ordinal-1 weekday-ordinal-from-end-5 week-2 week-from-end-5 in-month
er-center">...</div>
ta-v-22657c30 class="vc-day id-2024-09-03 day-3 day-from-end-28 weekday-3
day-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
r">...</div>
ta-v-22657c30 class="vc-day id-2024-09-04 day-4 day-from-end-27 weekday-4
day-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
r">...</div>
ta-v-22657c30 class="vc-day id-2024-09-05 day-5 day-from-end-26 weekday-5
day-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
r">...</div>
ta-v-22657c30 class="vc-day id-2024-09-06 day-6 day-from-end-25 weekday-6
day-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
r">...</div>
ta-v-22657c30 class="vc-day id-2024-09-07 day-7 day-from-end-24 weekday-7
day-ordinal-1 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
r">...</div>
ta-v-22657c30 class="vc-day id-2024-09-08 day-8 day-from-end-23 weekday-1
day-ordinal-2 weekday-ordinal-from-end-4 week-2 week-from-end-5 in-month
ter-center">...</div>
ta-v-22657c30 class="vc-day id-2024-09-09 day-9 day-from-end-22 weekday-2
day-ordinal-2 weekday-ordinal-from-end-4 week-3 week-from-end-4 is-today
-box-center-center">...</div>
ta-v-22657c30 class="vc-day id-2024-09-10 day-10 day-from-end-21 weekday-
ekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-mont
ter">...</div>
ta-v-22657c30 class="vc-day id-2024-09-11 day-11 day-from-end-20 weekday-
ekday-ordinal-2 weekday-ordinal-from-end-3 week-3 week-from-end-4 in-mont
x-center-center.is-not-in-month span.vc-day-content.vc-focusable.is-disabled


```

```

element.style {
}
.DatePicker .vc-container .vc- (index):89
day.in-next-month .vc-day-content,
.DatePicker .vc-container .vc-day.in-next-month
.vc-day-layer, .DatePicker .vc-container .vc-
day.in-prev-month .vc-day-content, .DatePicker
.vc-container .vc-day.in-prev-month .vc-day-
layer {
display: none;
}
.DatePicker .vc-container .vc-day- (index):89
content.is-disabled {
pointer-events: none;
}
.DatePicker .vc-container .vc-day- (index):89
content.is-disabled {
color: #ddd;
color: var(--DS-colors-grayscale-neutral);
}
.vc-day-content.is-disabled[data-v- (index):89
1623f44d] {
color: var(--gray-400);
}
.vc-day.is-not-in-month *[data-v- (index):89
1623f44d] {
opacity: 0;
pointer-events: none;
}
.DatePicker .vc-container .vc-day- (index):89
content {
display: inline-flex;
width: auto;
margin: 0;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item {
position: relative;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item,
.DatePicker .vc-container .vc-nav-popover-
container .vc-nav-title, .DatePicker .vc-
container .vc-title {
text-align: center;
}
.DatePicker .vc-container .vc-day- (index):89
content, .DatePicker .vc-container
.vc-nav-popover-container .vc-nav-item {
display: inline-block;
cursor: pointer;
height: var(--DatePicker-nav-size);

```

Découvrez nos fleurs et plantes de saison



Des fleurs pour toutes les occasions

Voir la collection

Livraison sélectionnez une date

### Sélectionnez votre date

Sept. 2024

LUN.	MAR.	MER.	JEU.	VEN.	SAM.	DIM.
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

### Local metrics

#### Recording settings

CPU: 20x slowdown

Network: No throttling

Record

Record and reload

### Next steps

Field data

See how your local metrics compare to real user data in the [Chrome UX Report](#).

Set up

#### Recording settings


CPU: 20x slowdown

Network: No throttling

Record

Record and reload

Découvrez nos fleurs et plantes de saison



Des fleurs pour toutes les occasions!

Voir la collection

Livraison [sélectionnez une date](#)

Sélectionnez votre date

Sept. 2024

LUN.	MAR.	MER.	JEU.	VEN.	SAM.	DIM.
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

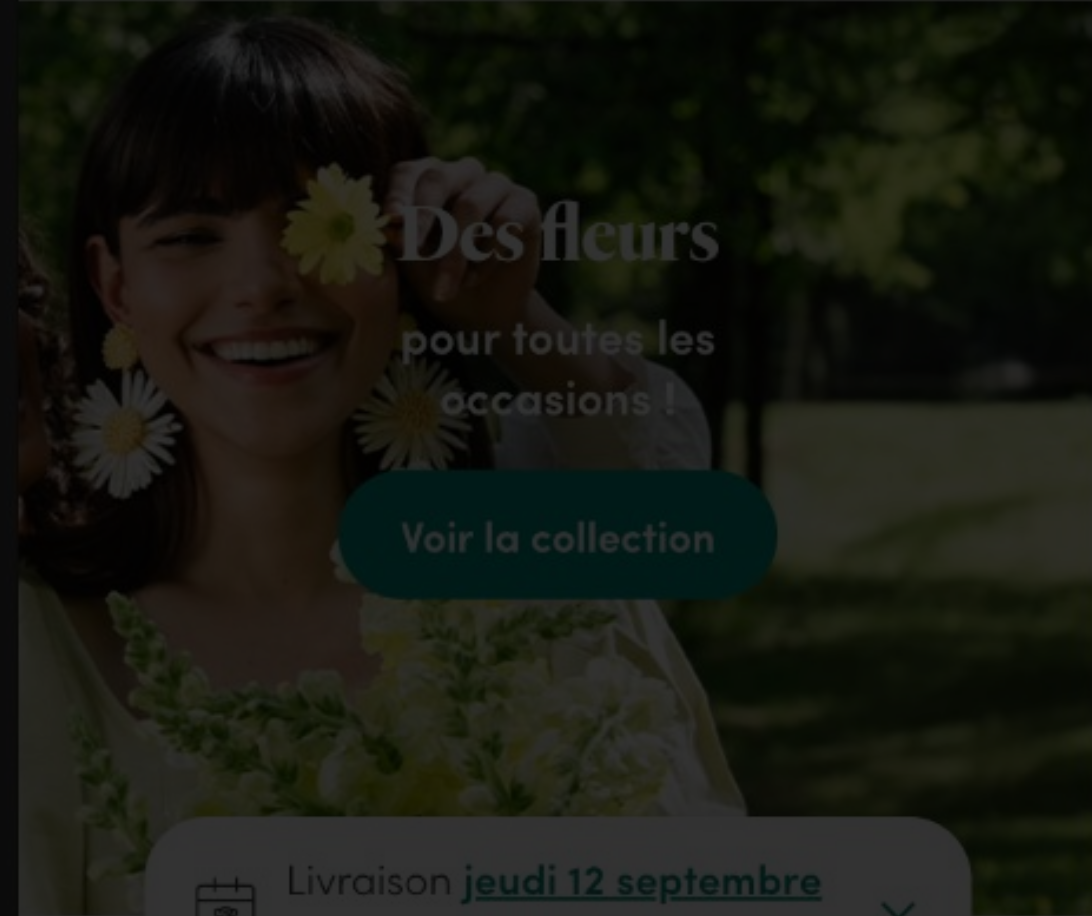
Status Profiling...

Time 2 sec

Buffer usage |

Stop

Découvrez nos fleurs et plantes de saison



### Des fleurs pour toutes les occasions !

Voir la collection

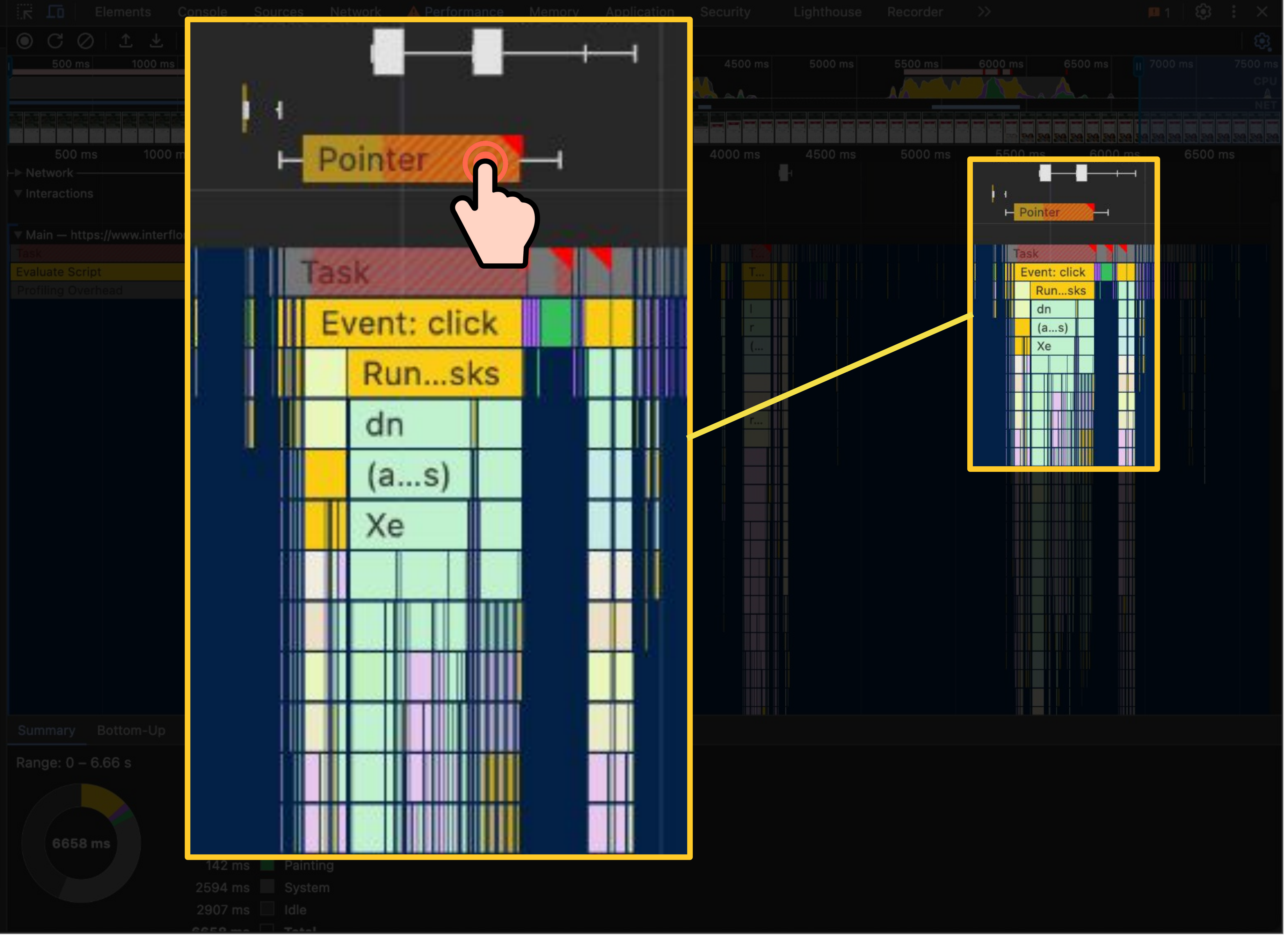
Livraison **jeudi 12 septembre 2024**

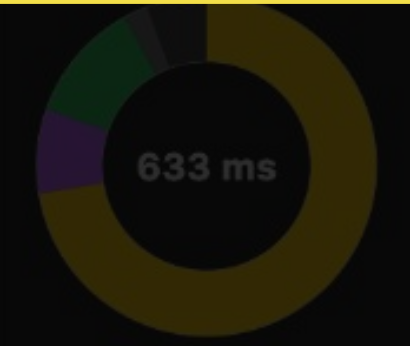
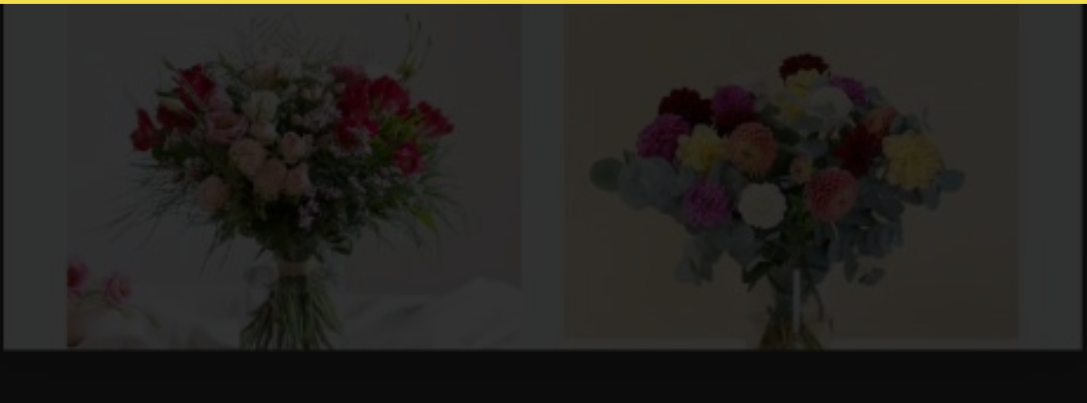
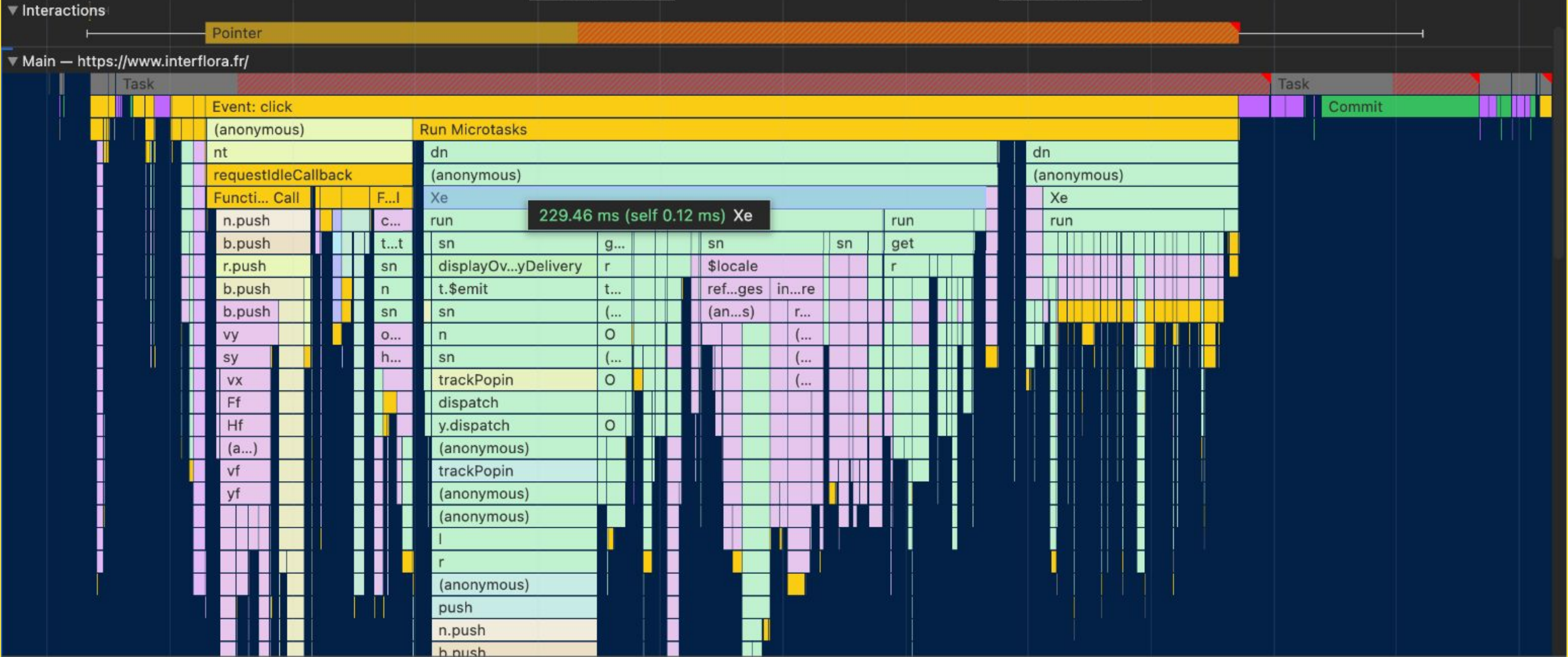
Pour **anniversaire**

Voir la sélection

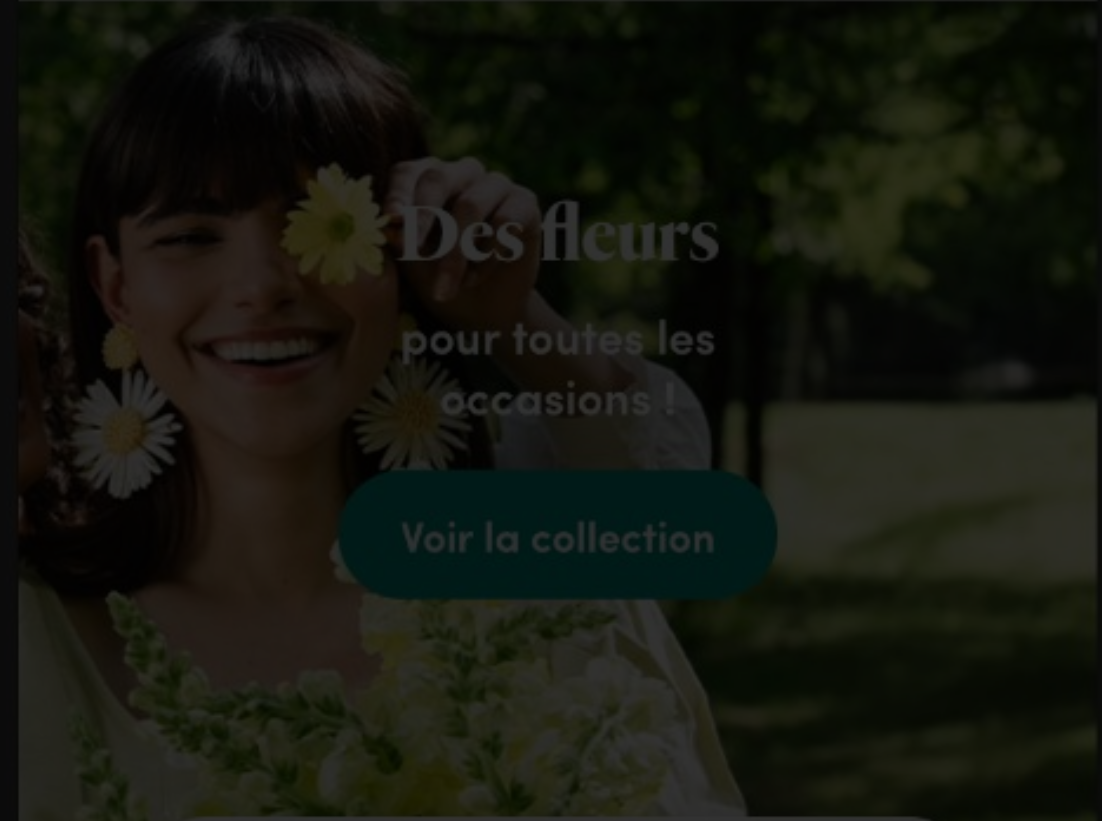
### Notre sélection du moment

Découvrez notre collection de fleurs, plantes et cadeaux





- 0 ms Loading
- 458 ms Scripting
- 51 ms Rendering
- 73 ms Painting
- 15 ms System
- 36 ms Idle
- 633 ms Total



Voir la collection

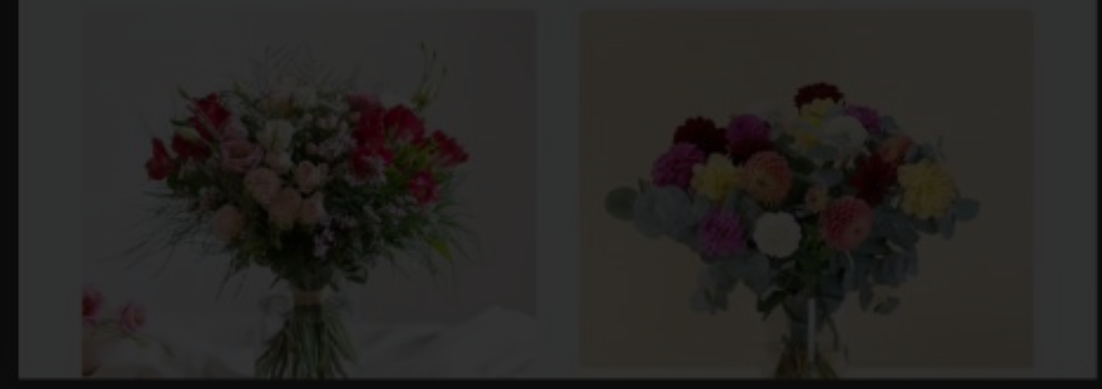
Livraison **jeudi 12 septembre 2024**

Pour **anniversaire**

Voir la sélection

### Notre sélection du moment

Découvrez notre collection de fleurs, plantes et cadeaux

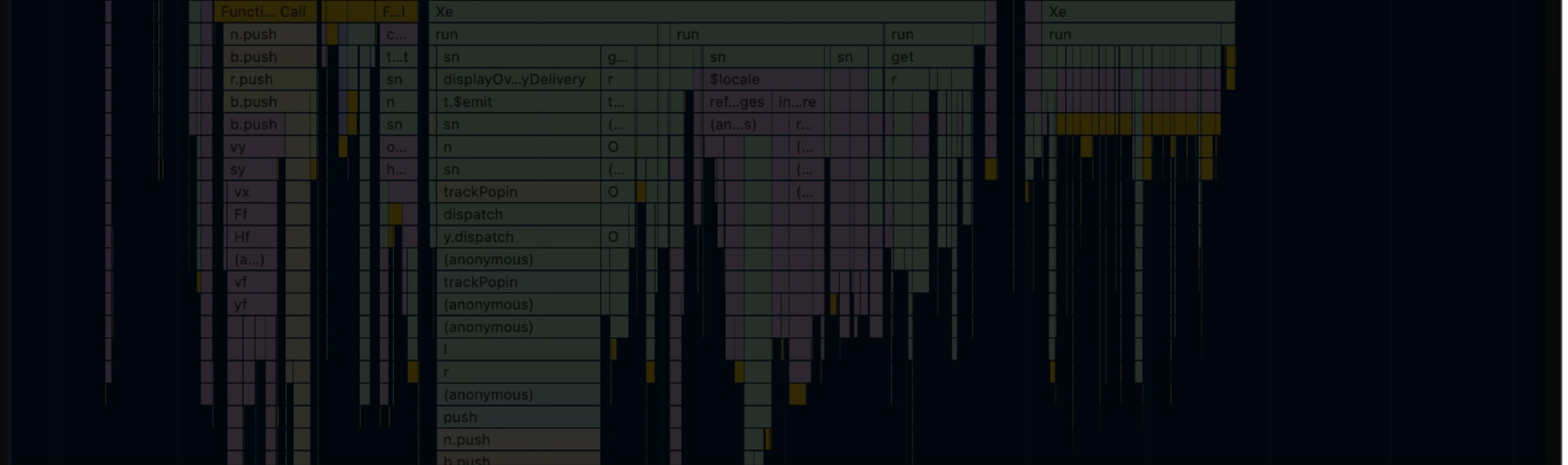


(anonymous)

Xe

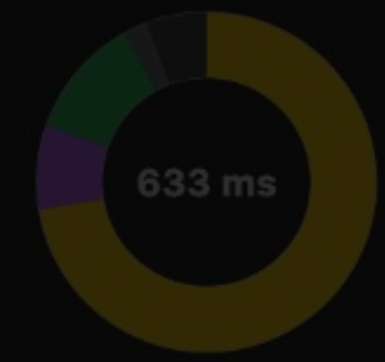
run **229.46 ms (self 0.12 ms) Xe**

sn g... sn sn get

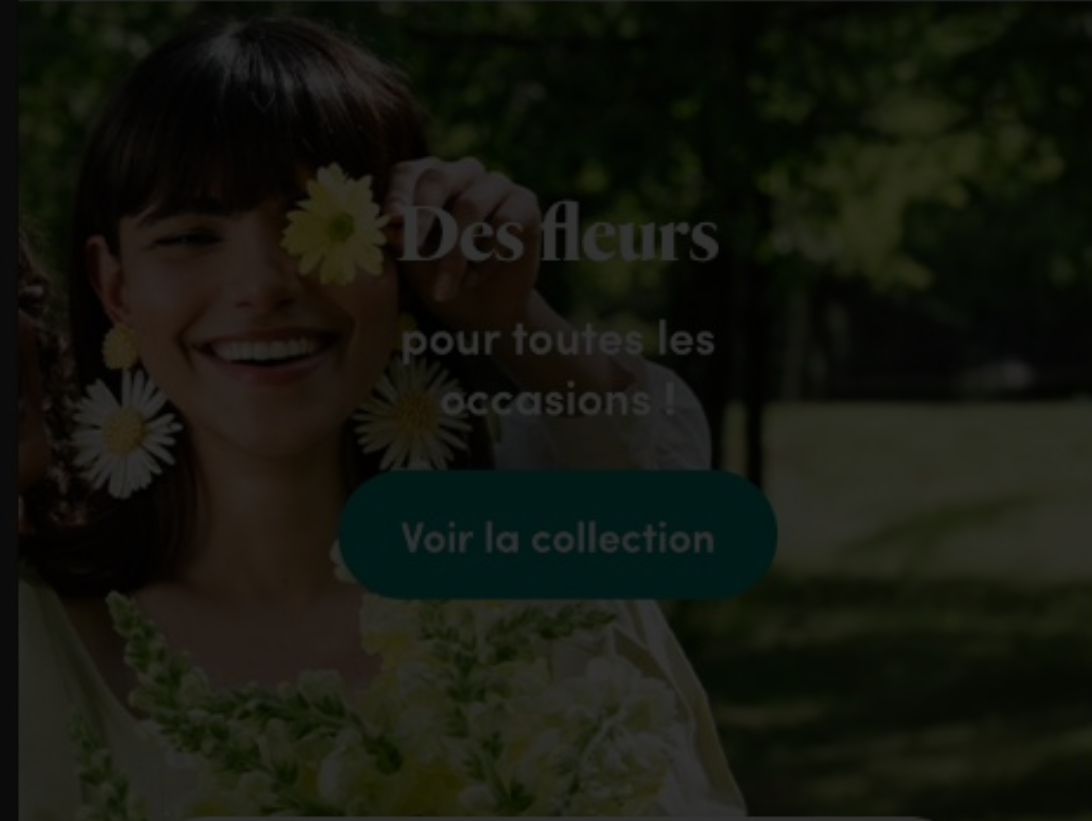


Summary Bottom-Up Call Tree Event Log

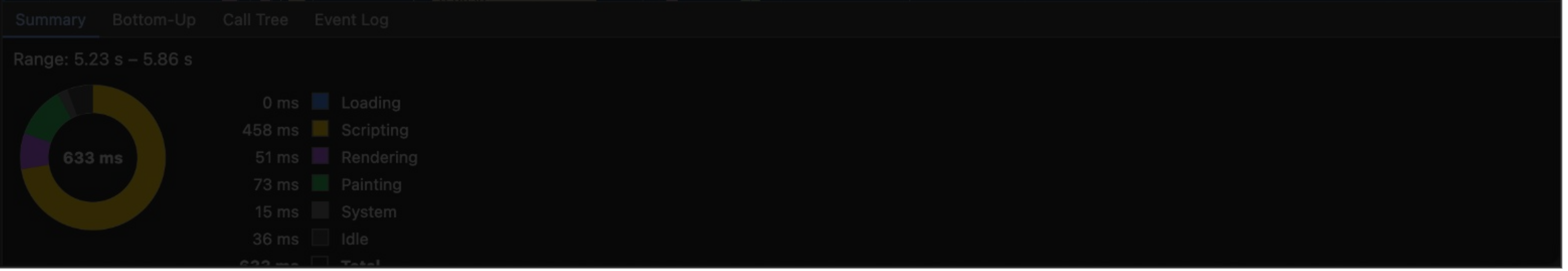
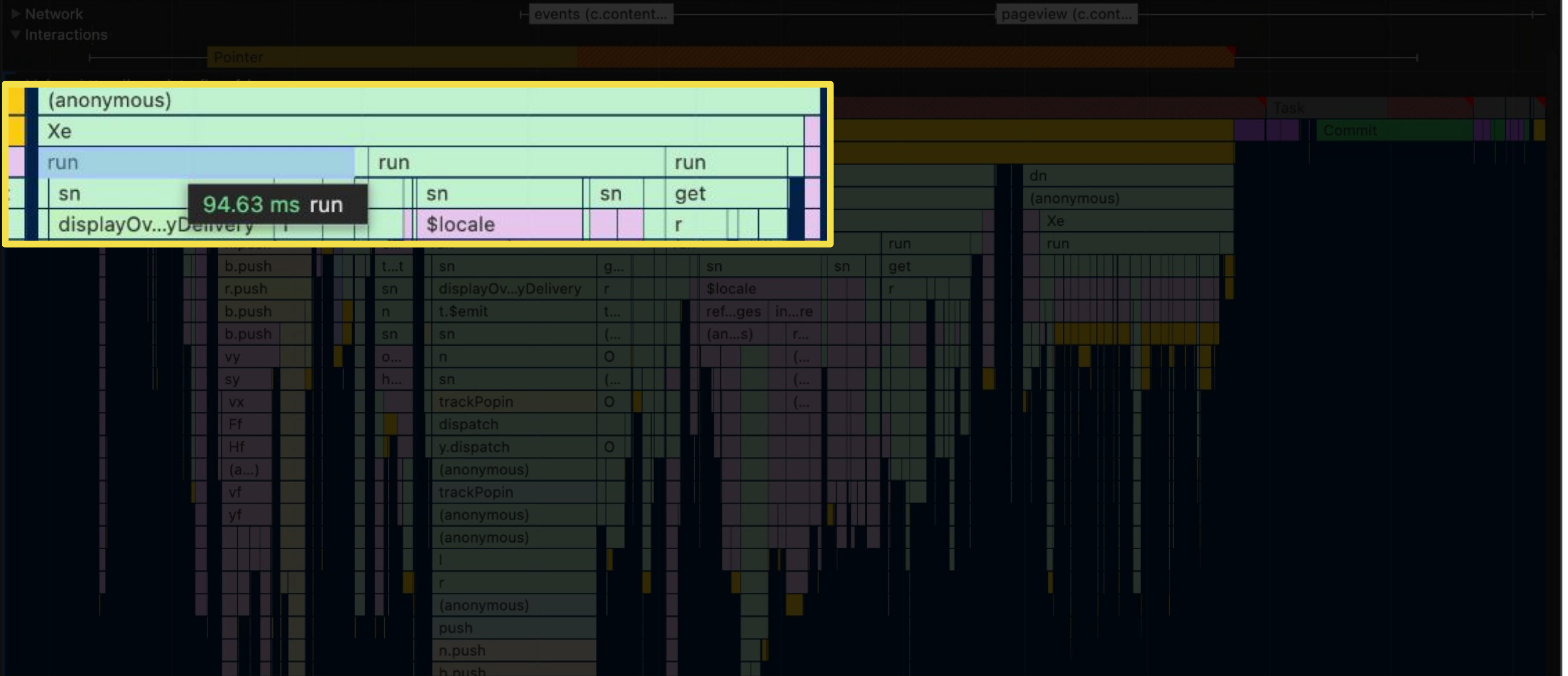
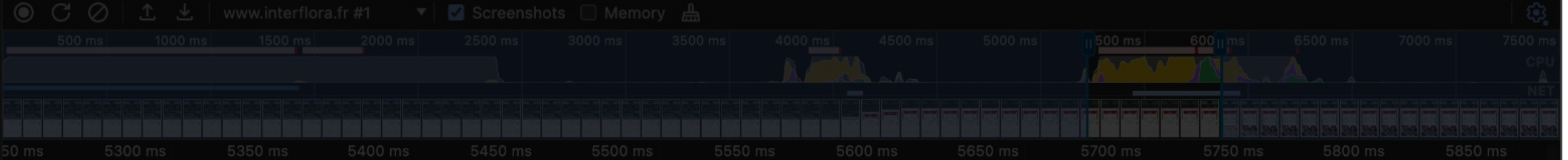
Range: 5.23 s - 5.86 s



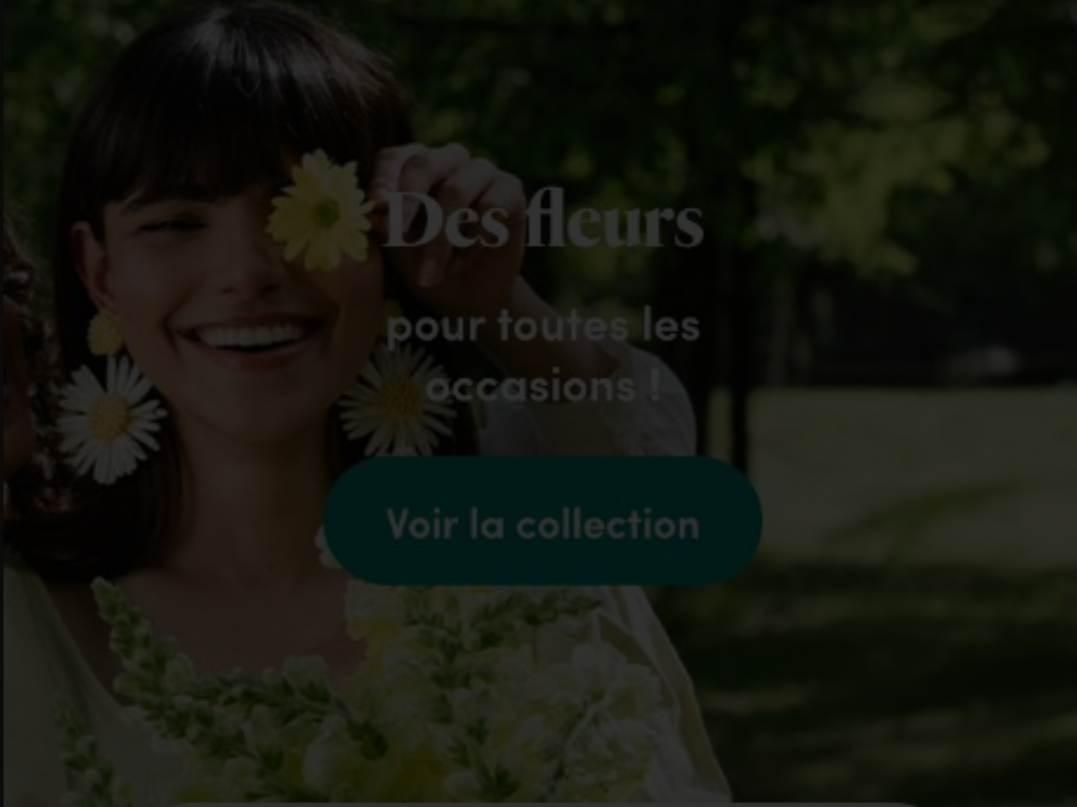
- 0 ms Loading
- 458 ms Scripting
- 51 ms Rendering
- 73 ms Painting
- 15 ms System
- 36 ms Idle
- 633 ms Total



Livraison **jeudi 12 septembre 2024**  
Pour **anniversaire**  
Voir la sélection



Découvrez nos fleurs et plantes de saison



Des fleurs pour toutes les occasions !

Voir la collection

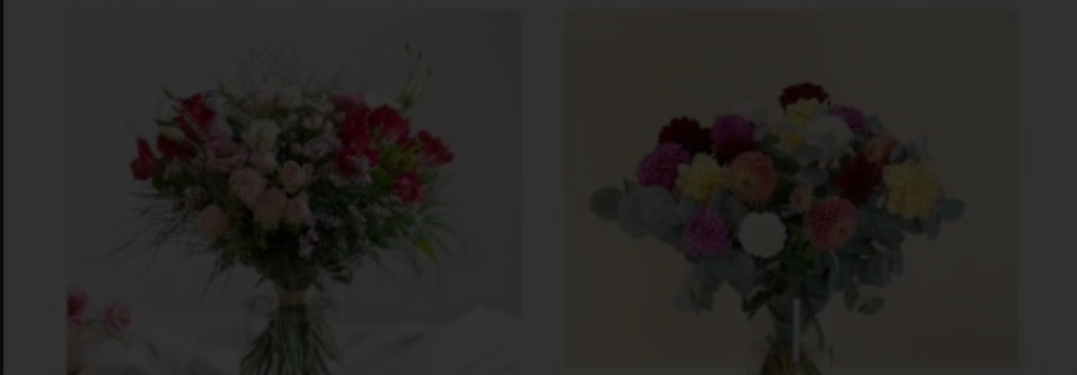
Livraison jeudi 12 septembre 2024

Pour anniversaire

Voir la sélection

### Notre sélection du moment

Découvrez notre collection de fleurs, plantes et cadeaux



Summary Bottom-Up Call Tree Event Log

run

Total Time 94.63 ms

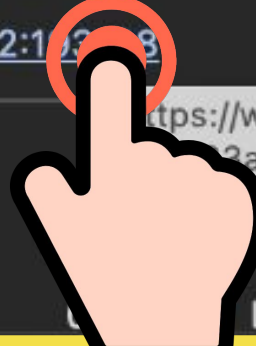
Self Time 0

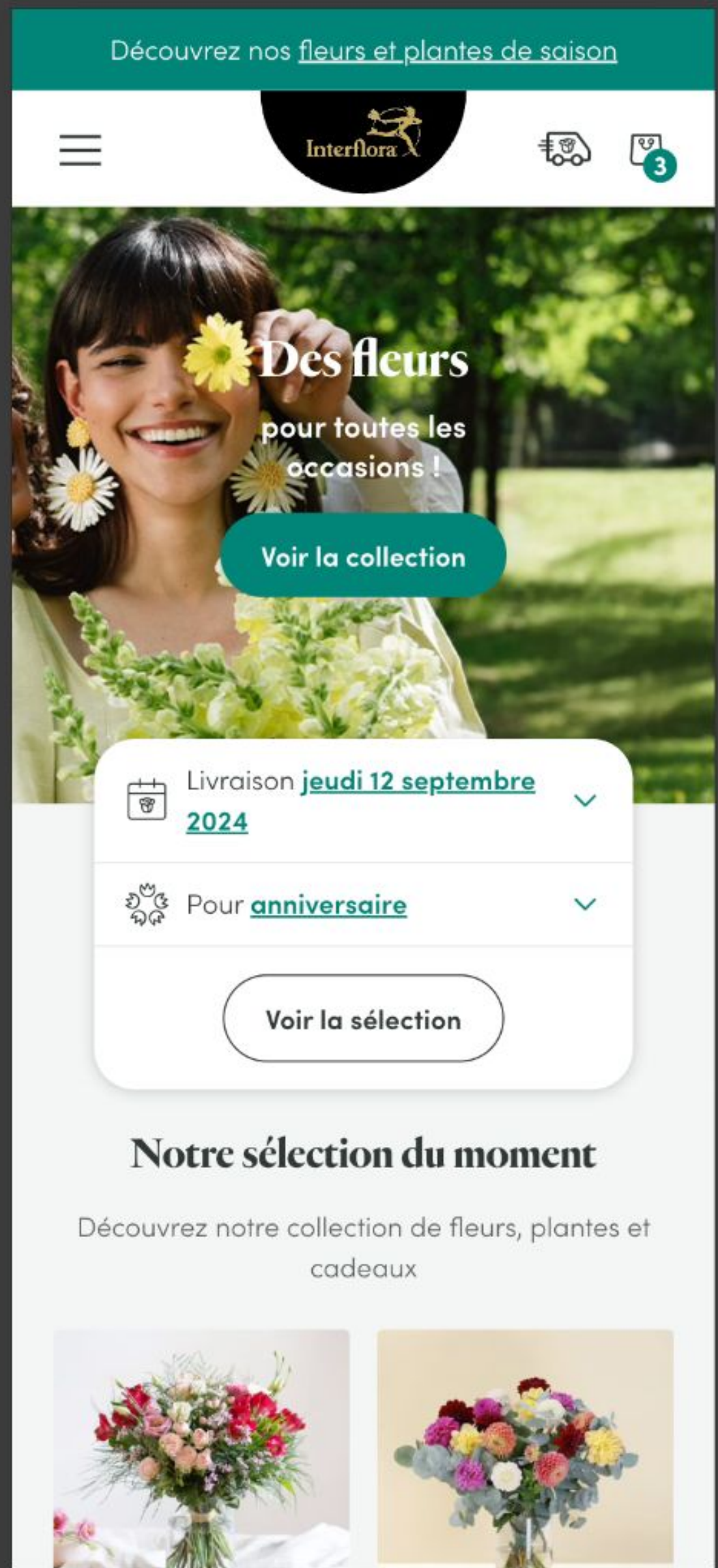
Function run @ 791a33a.js:2:193108

Aggregated Time

Scripting (children)

Loading





- top
- www.interflora.fr
  - \_nuxt
    - fonts
    - img
      - 1bc042e.js
      - 02d2b39.js
      - 5d213a0.js
      - 7e524bd.js
      - 9c1d9fa.js
      - 9d0f105.js
      - 68b5184.js
      - 79d8755.js
      - 791a33a.js
      - 5553d16.js
      - 25652c9.js
      - 2639942.js
      - a1cadd0.js
      - a2c1fc1.js
      - ac26a49.js
      - ac54ca9.js
      - b7c15b4.js
      - b851a1c.js
      - bcff28b.js
      - d6e60cb.js
      - d277d91.js
      - dc40d24.js
      - e6c2a4c.js
      - f9fd442.js
      - f87186c.js
      - fc33da8.js
      - ffbcc50.js
      - runtime.1e0d6fe9174ca0b
    - fstrz
      - (index)
  - analytics.optimalpeople.fr
  - analytics.tiktok.com
  - assets-manager.abtasty.com
  - bat.bing.com
  - cdn.cookieclaw.org

```

    }
    addDep(t) {
      const e = t.id;
      this.newDepIds.has(e) || (this.newDepIds.add(e),
      this.newDeps.push(t),
      this.depIds.has(e) || t.addSub(this))
    }
    cleanupDeps() {
      let t = this.deps.length;
      for (; t--;) {
        const e = this.deps[t];
        this.newDepIds.has(e.id) || e.removeSub(this)
      }
      let e = this.depIds;
      this.depIds = this.newDepIds,
      this.newDepIds = e,
      this.newDepIds.clear(),
      e = this.deps,
      this.deps = this.newDeps,
      this.newDeps = e,
      this.newDeps.length = 0
    }
    update() {
      this.lazy ? this.dirty = !0 : this.sync ? this.run() : Ze(this)
    }
    run() {
      if (this.active) {
        const t = this.get();
        if (t !== this.value || h(t) || this.deep) {
          const e = this.value;
          if (this.value = t,
          this.user) {
            const n = `callback for watcher "${this.expression}`;
            sn(this.cb, this.vm, [t, e], this.vm, n)
          } else
            this.cb.call(this.vm, t, e)
        }
      }
    }
    evaluate() {
      this.value = this.get(),
      this.dirty = !1
    }
    depend() {
      let t = this.deps.length;
      for (; t--;)
        this.deps[t].depend()
    }
    teardown() {
      if (this.vm && !this.vm._isBeingDestroyed && w(this.vm._scope.effects, this)
      this.active) {

```

# Debugging INP

## 3 steps

1. Find out where the slowest interactions are occurring
2. Analyze the causes of slow interactions
3. **Fix the problem**

- a. **Manually** troubleshoot interactions
- b. **Leverage real user monitoring data**



What is Interaction to Next Paint (INP)?



Debugging slow interactions



Identified mistakes and solutions



# Have you improved INP? 🙋

Never tried to improve INP

Tried to improve it, didn't succeed yet

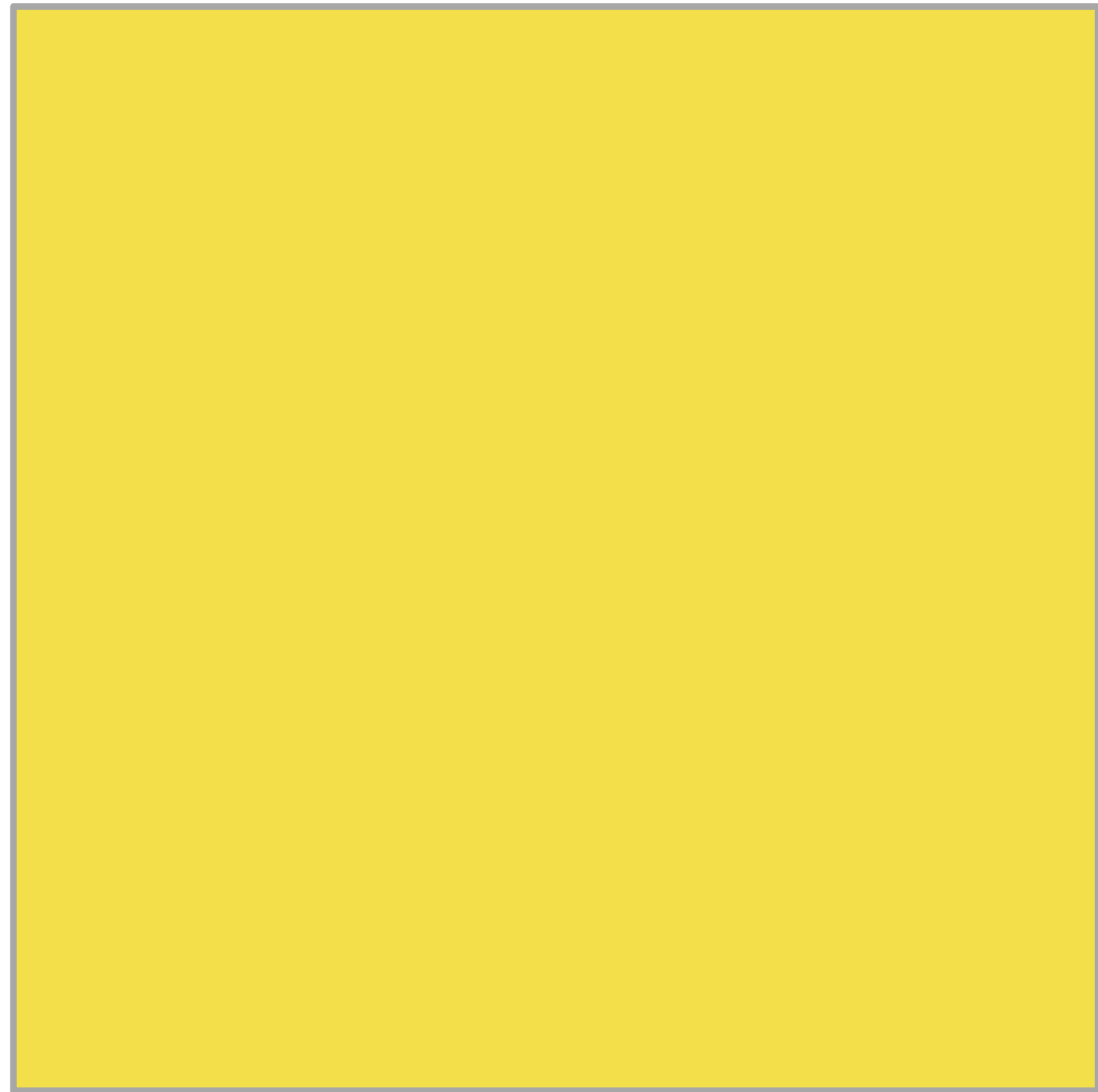
Successfully improved INP



# Common mistakes

- Synchronously sending analytics beacons
- Inducing style recalculation
- Executing too much UI-related JavaScript at once

**Synchronously sending  
analytics beacons**



### Fancy T-shirt

Available colors

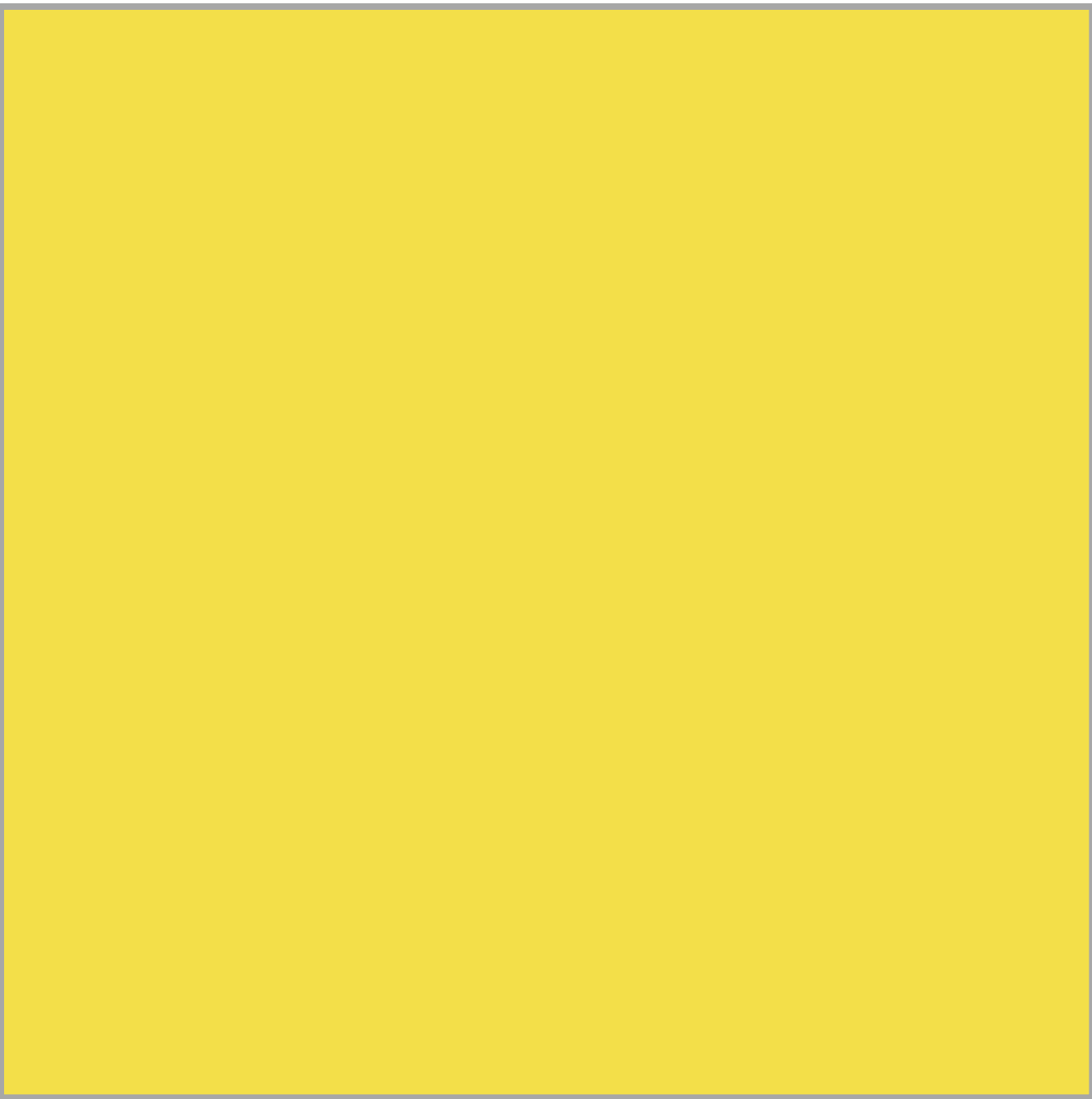


Choose your size



delivery in **1 day**

1100 ms



### Fancy T-shirt

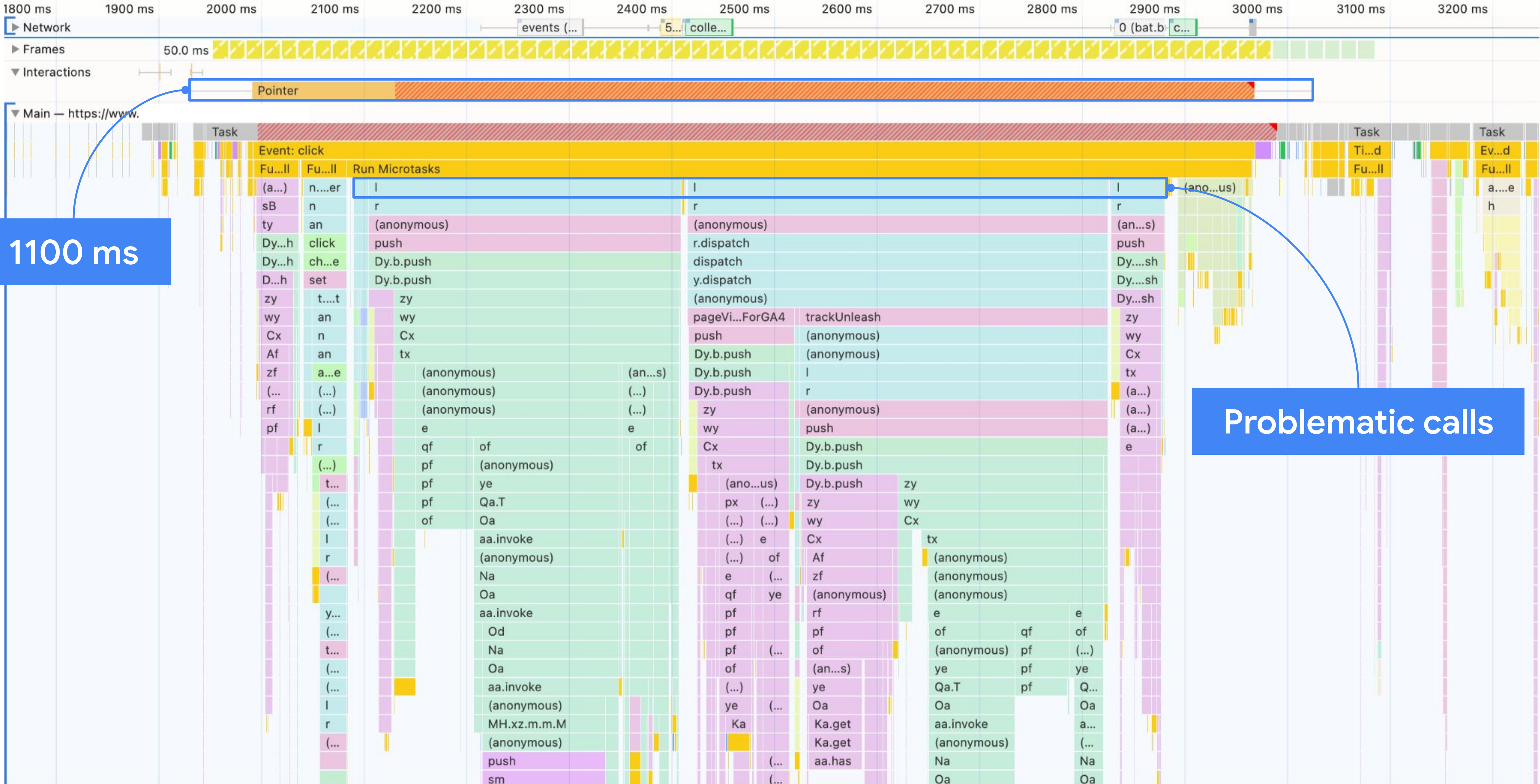
Available colors



Choose your size



Express delivery in **1 day**



1100 ms

Problematic calls

```
function selectSizeHandler() {  
    selectSize();  
    pushToTagManager();  
}
```

```
function selectSizeHandler() {  
  selectSize();  
  
  pushToTagManager();  
}
```

```
async function selectSizeHandler() {  
    selectSize();  
    await yieldToMain();  
    pushToTagManager();  
}
```

```
async function selectSizeHandler() {  
  selectSize();  
  await yieldToMain();  
  pushToTagManager();  
}
```

```
function yieldToMain() {  
  
}
```



```
async function selectSizeHandler() {  
  selectSize();  
  await yieldToMain();  
  pushToTagManager();  
}
```

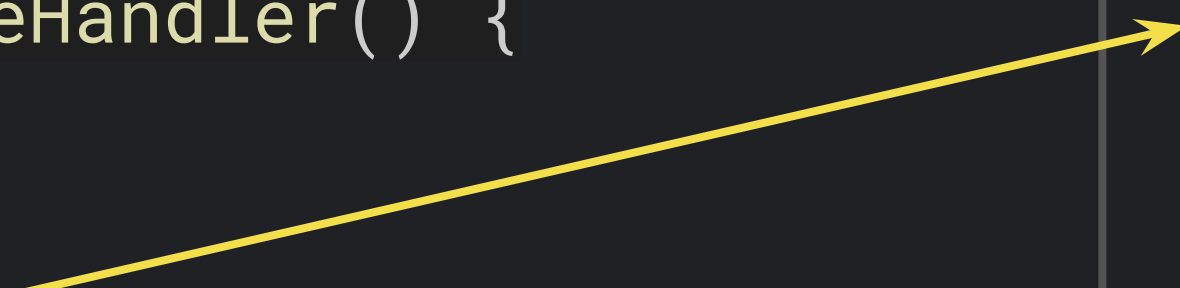
```
function yieldToMain() {  
  return scheduler.yield();  
}
```



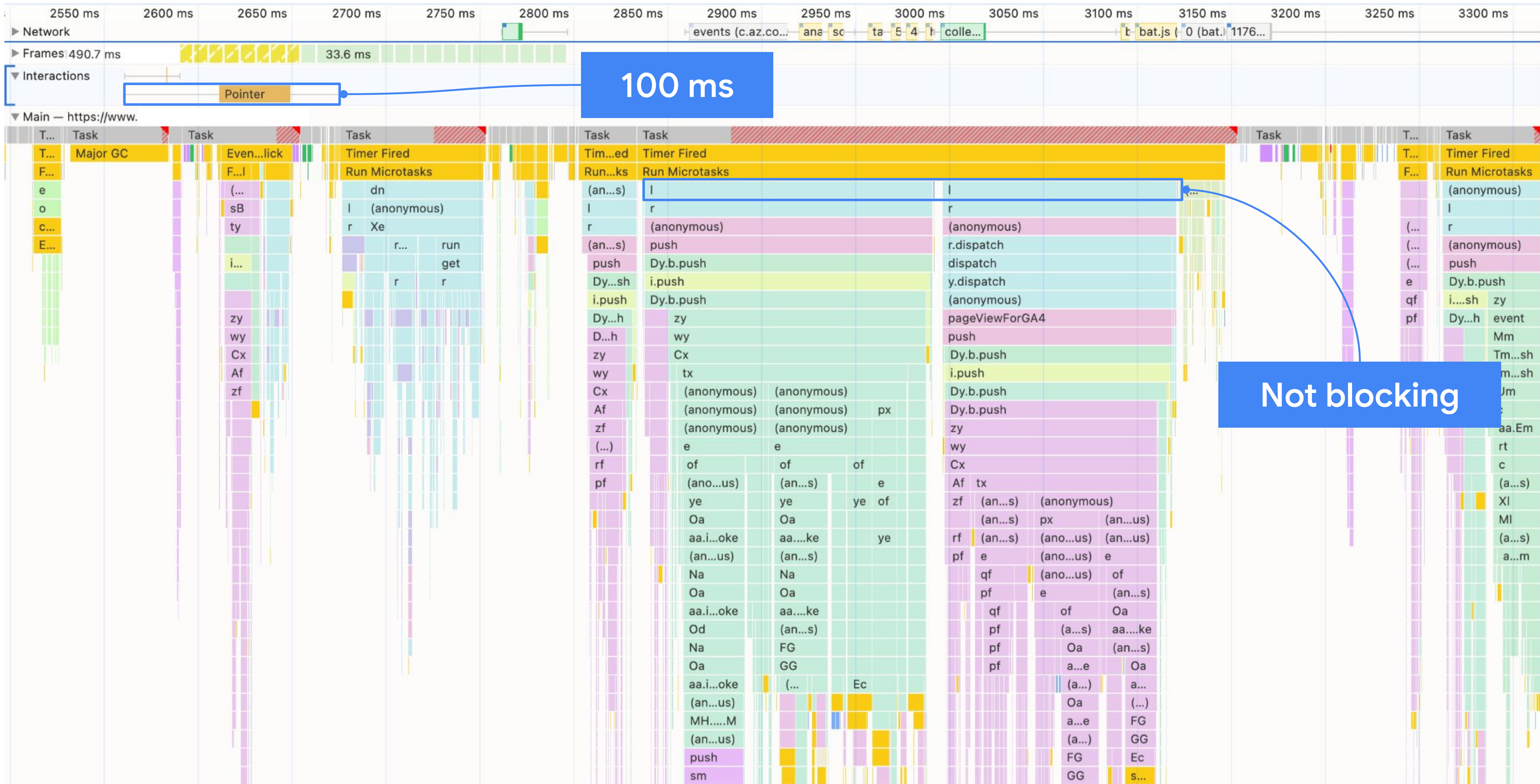
```
async function selectSizeHandler() {  
  selectSize();  
  await yieldToMain();  
  pushToTagManager();  
}
```

```
function yieldToMain() {  
  if ("scheduler" in window && "yield" in scheduler) {  
    return scheduler.yield();  
  }  
}
```

```
async function selectSizeHandler() {
  selectSize();
  await yieldToMain();
  pushToTagManager();
}
```



```
function yieldToMain() {
  if ("scheduler" in window && "yield" in scheduler) {
    return scheduler.yield();
  }
  return new Promise((resolve) => {
    setTimeout(resolve, 0);
  });
}
```



**Always yield to the main thread  
before calling tracking functions**

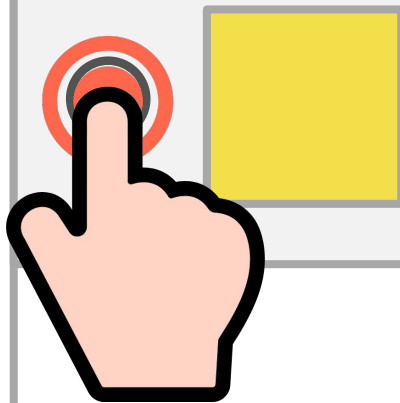
(or any other long-running function)

“When I get back to work, I’ll have to check how my website handles event tracking calls to analytics platforms.”

“Quando tornerò al lavoro, dovrò verificare come il mio sito web gestisce le chiamate di tracciamento degli eventi alle piattaforme di analisi.”

```
function filterStudies({ studies, filterByOrg = false, filterByLeadOrganizat
```

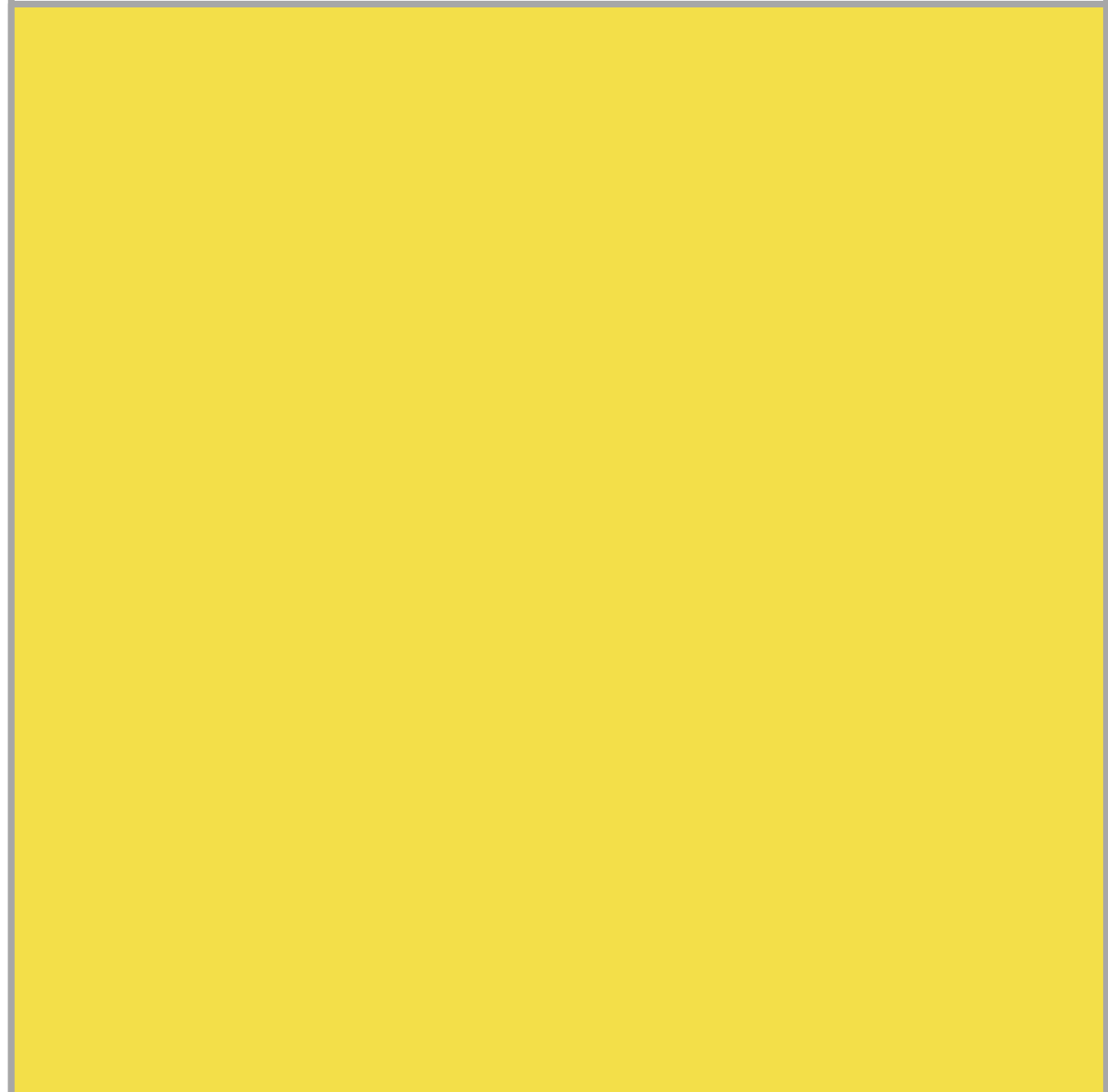
**Inducing style recalculation**



Install our app  
It's the best

Let's go

## Landing page



### Wow text

Nullam dictum lobortis blandit. Fusce a sapien et dolor laoreet dignissim eget vitae metus. Etiam quis orci sollicitudin, interdum arcu eu, hendrerit nisl.

Maecenas vitae lacinia nisi. In porta, nunc

250 ms

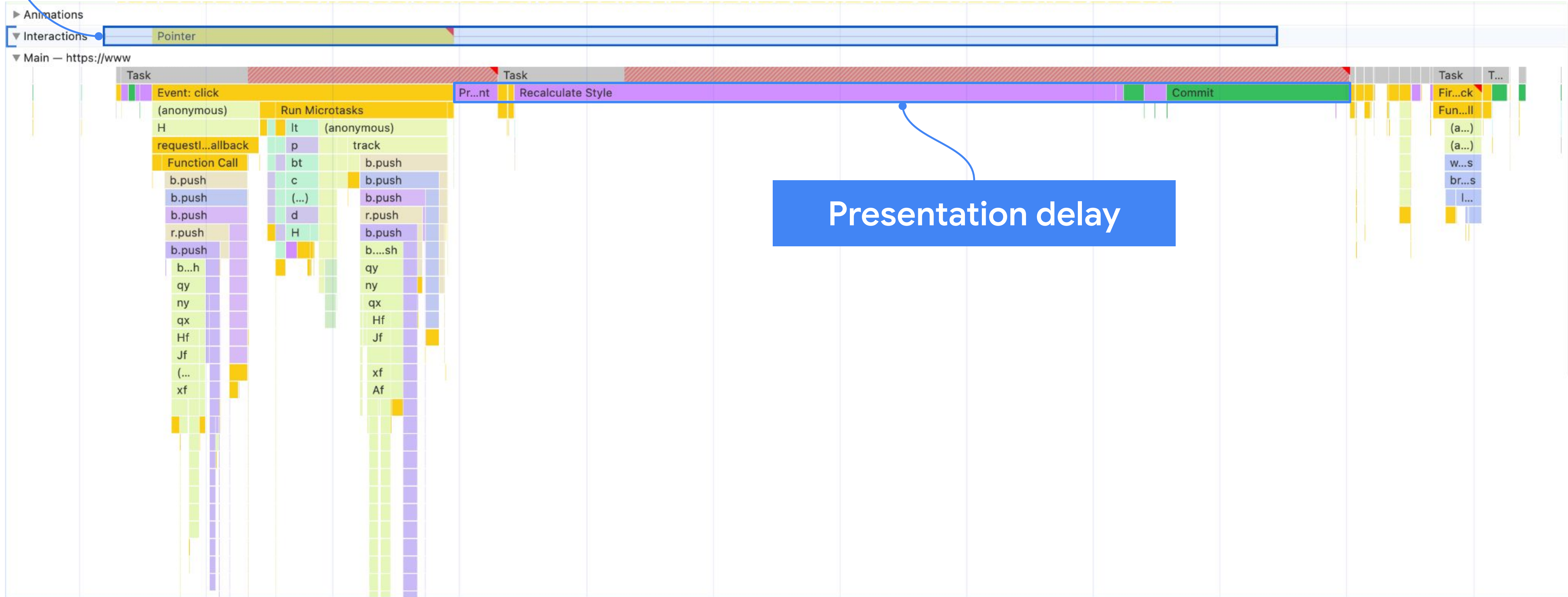
## Landing page

### Wow text

Nullam dictum lobortis blandit. Fusce a sapien et dolor laoreet dignissim eget vitae metus. Etiam quis orci sollicitudin, interdum arcu eu, hendrerit nisl.

Maecenas vitae lacinia nisi. In porta, nunc nec sodales suscipit, diam nunc placerat odio, at posuere turpis sapien a lacus. Integer varius ornare lectus egestas commodo.

250 ms



Presentation delay



```
<html>
  <head>
    ...
  </head>
  <body
    class="..."
    style="--app-header-height: 223px; --app-header-offset-top: 223px"
  >
    ...
  </body>
</html>
```

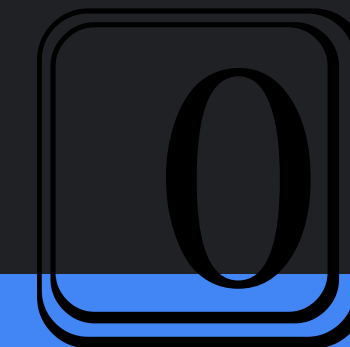
“...if you're adding new custom properties, you defeat those optimizations and we have to go down the slow path. So this is expected.”

Comment on Chromium issue 342214592, May 2024

```
function filterStudies({ studies, filterByOrg = false, filterByLeadOrganizat
```

```
<html>
  <head>
    ...
  </head>
  <body
    class="..."

  >
    ...
  </body>
</html>
```



Can we use  
classes instead?



```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."

...
</header>
<main
  class="..."

...
</main>
</body>
```



1

Assign  
custom props  
to lower levels  
of the DOM tree

```
<body
  class="..."
>
<header
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

```
<body
  class="..."
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
  ...
</main>
</body>
```

```
<body
  class="..."
>
<header
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
  ...
</header>
<main
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
  ...
</main>
</body>
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
  <header
    class="..."
  >
    ...
  </header>
  <main
    class="..."
  >
    ...
  </main>
</body>
```

2

Avoid  
inheritance

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

Javascript

```
CSS.registerProperty({
  name: "--app-header-height",
});
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

Javascript

```
CSS.registerProperty({
  name: "--app-header-height",
  syntax: "<length>",

});
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

Javascript

```
CSS.registerProperty({
  name: "--app-header-height",
  syntax: "<length>",
  inherits: false,
});
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

Javascript

```
CSS.registerProperty({
  name: "--app-header-height",
  syntax: "<length>",
  inherits: false,
  initialValue: "223px",
});
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

Javascript

```
CSS.registerProperty({
  name: "--app-header-height",
  syntax: "<length>",
  inherits: false,
  initialValue: "223px",
});

CSS.registerProperty({
  name: "--app-header-offset-top",
  syntax: "<length>",
  inherits: false,
  initialValue: "223px",
});
```

```
<body
  class="..."
  style="--app-header-height: 223px; --app-header-offset-top: 223px"
>
<header
  class="..."
>
  ...
</header>
<main
  class="..."
>
  ...
</main>
</body>
```

3

“Is this  
really used?”

```
<body
  class="..."
>
  <header
    class="..."
  >
    ...
  </header>
  <main
    class="..."
  >
    ...
  </main>
</body>
```

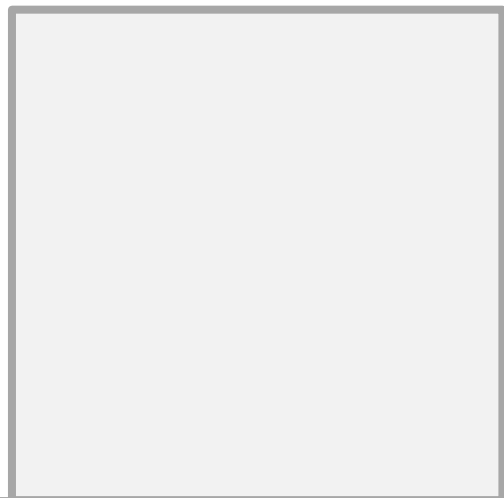
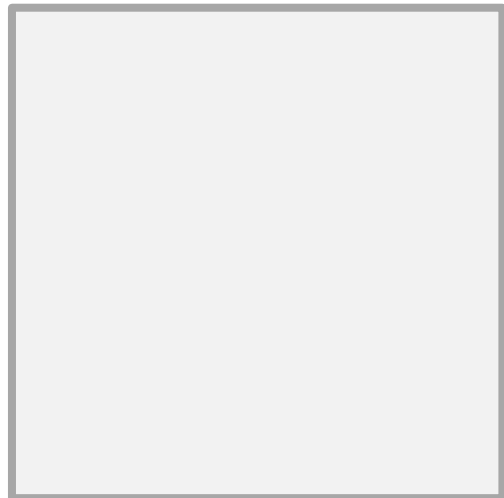


**Set custom properties close to where  
you need them, if you need them**

And disable their inheritance if not required

**Executing too much UI-related  
JavaScript at once**

Landing page



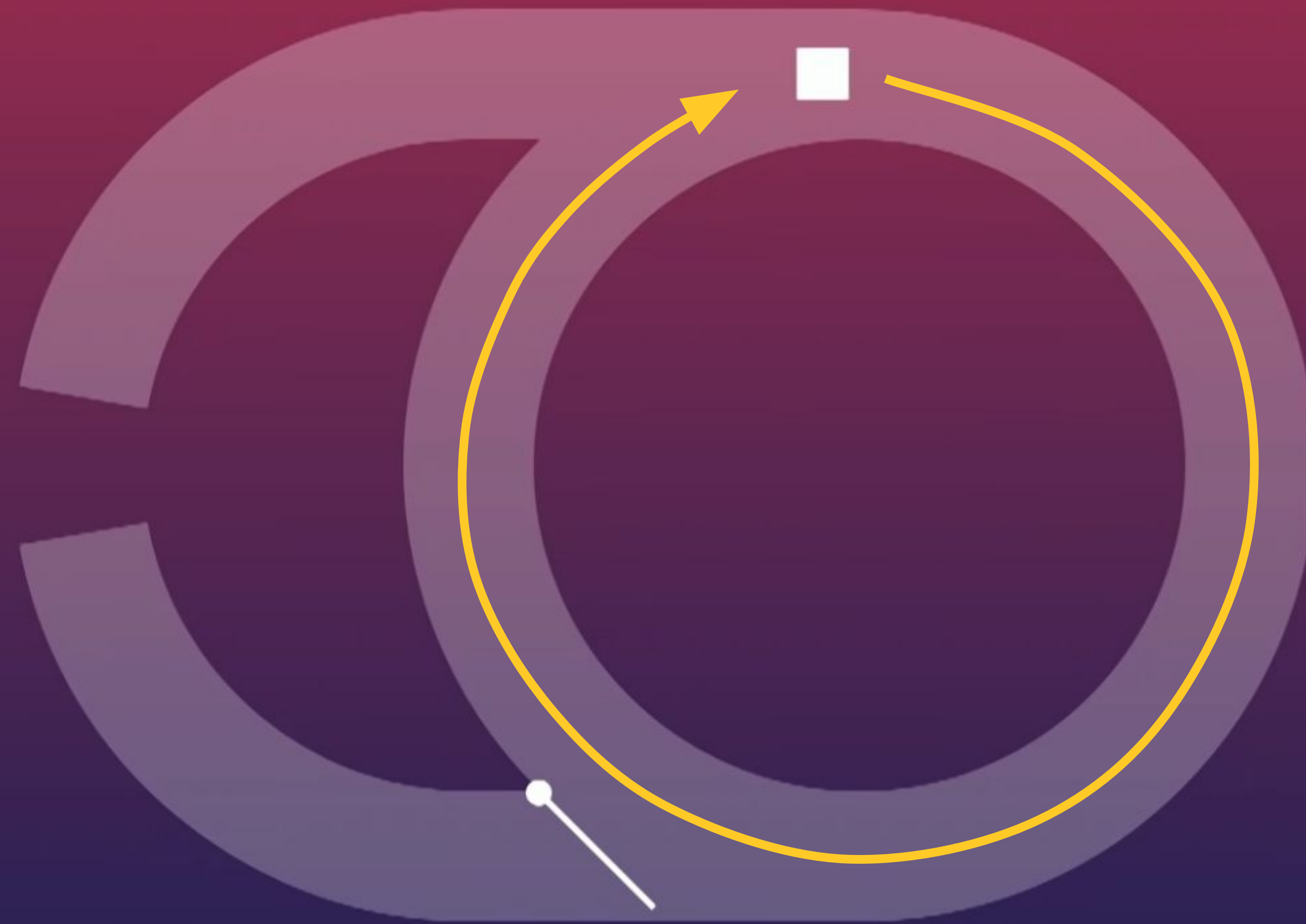
2 s

Landing page



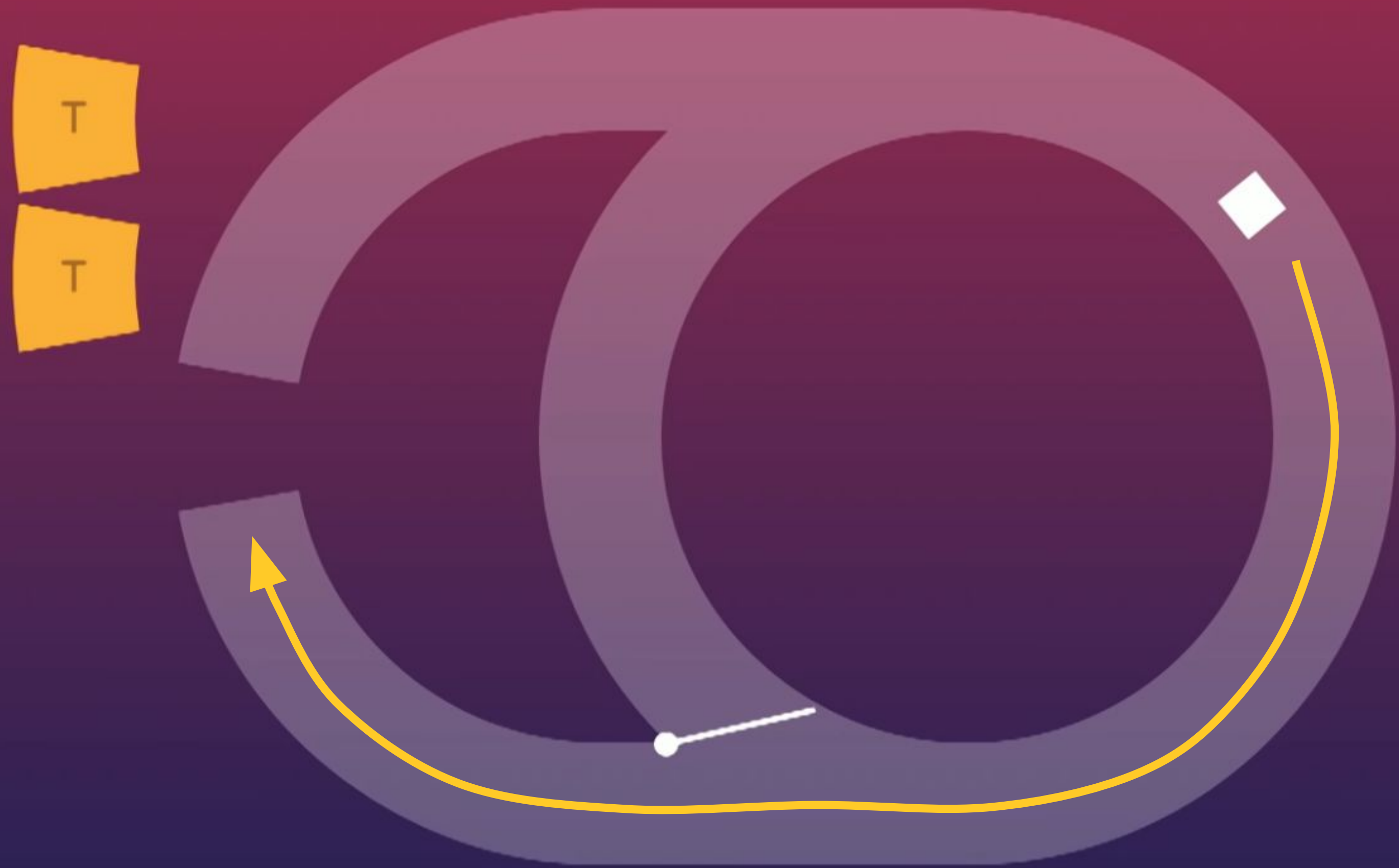
Task											
Ani...red	Animation...me Fired	Anim...ired	Animation Frame Fired		Animation...ame Fired	Animation Frame Fired	Animation Frame Fired				C...
Func...all	Function Call	Func...Call	Function Call		Function Call	Function Call	Function Call				
(an...us)	(anonymous)	(ano...ous)	(anonymous)		(anonymous)	(anonymous)	(anonymous)				
_initSlick	_initSlick	_initSlick	_initSlick		_initSlick	_initSlick	_initSlick				
t.fn.slick	t.fn.slick	t.fn.slick	t.fn.slick		t.fn.slick	reinit	t.fn.slick				
i	i	i	i		i	string	i				
e.init	e.init	e.init	e.init		e.init	o...on	e.init				e.init
		e.ch...nsive	e...ve	e...	e.ch...nsive	each	e.ch...nsive				e.ch...nsive
		e.refresh	e...h	e...	e.refresh	each	e.refresh				e.refresh
		e.init	e.init	e...	e.init	(an...s)	e.init				e.init
		e...			e...	value					(anonymous)
		i									value
											s
											each

Animation Frame Fired
Function Call
(anonymous)
_initSlick
t.fn.slick
i
e.init



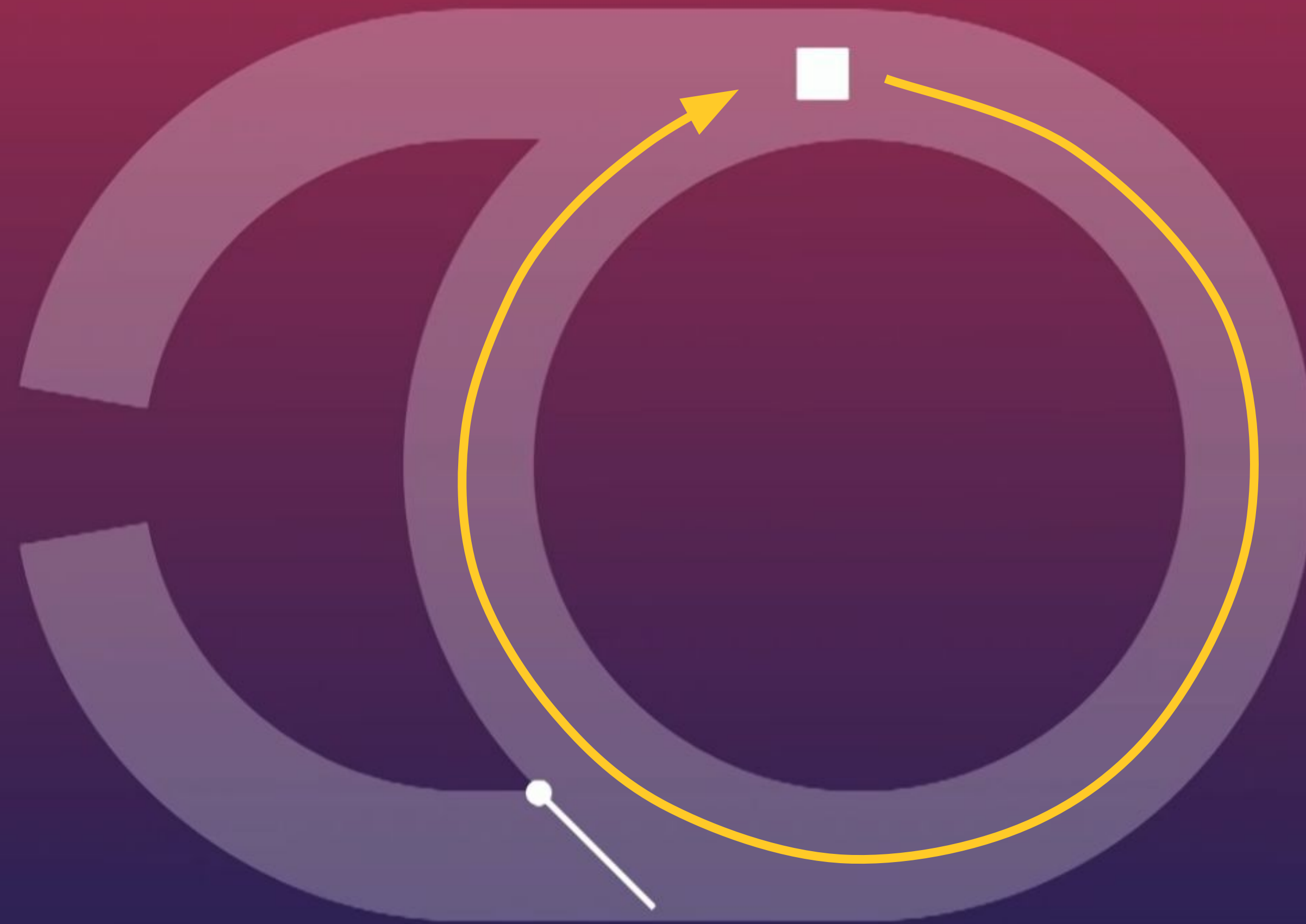
@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)



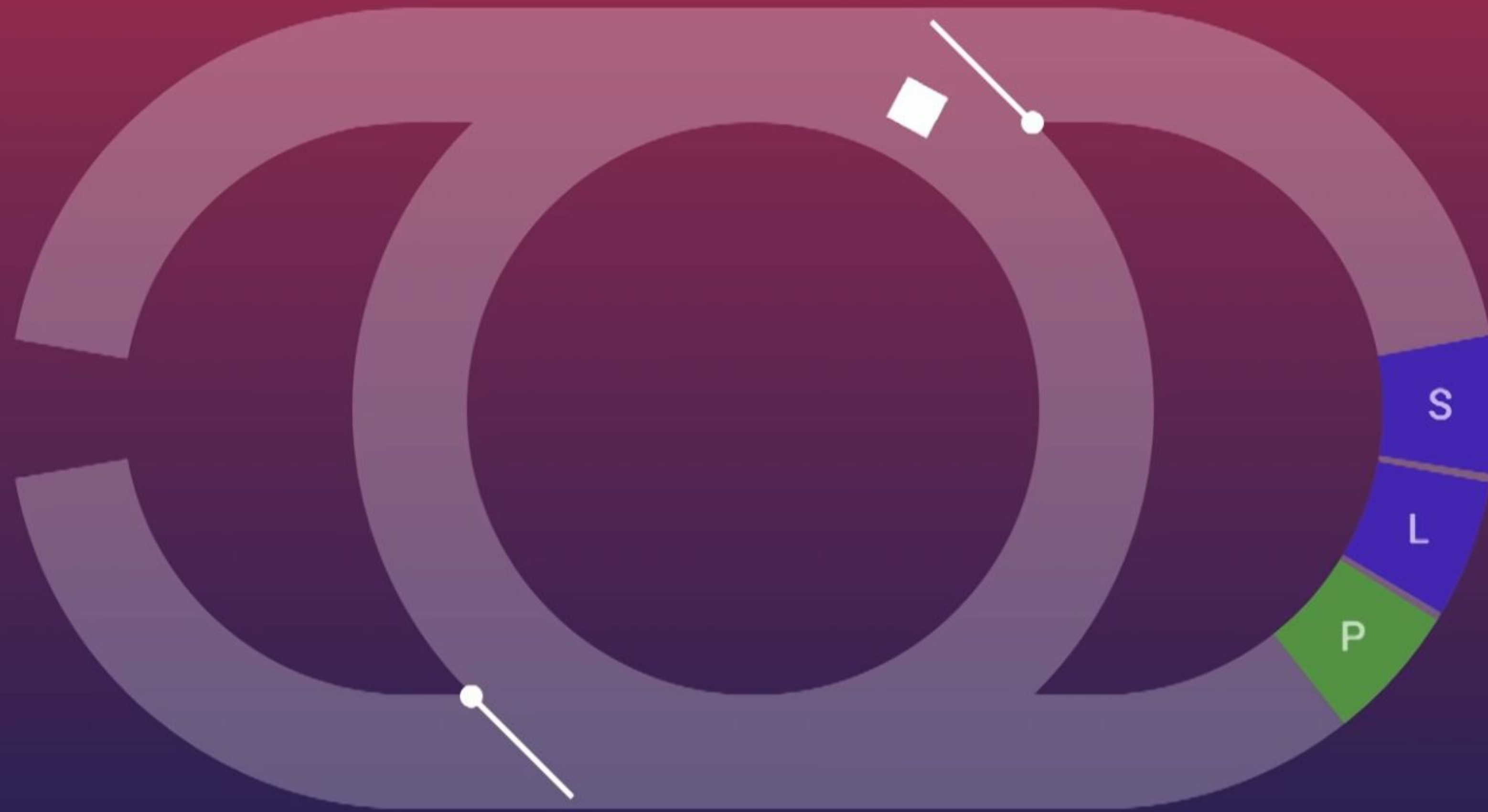
@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)



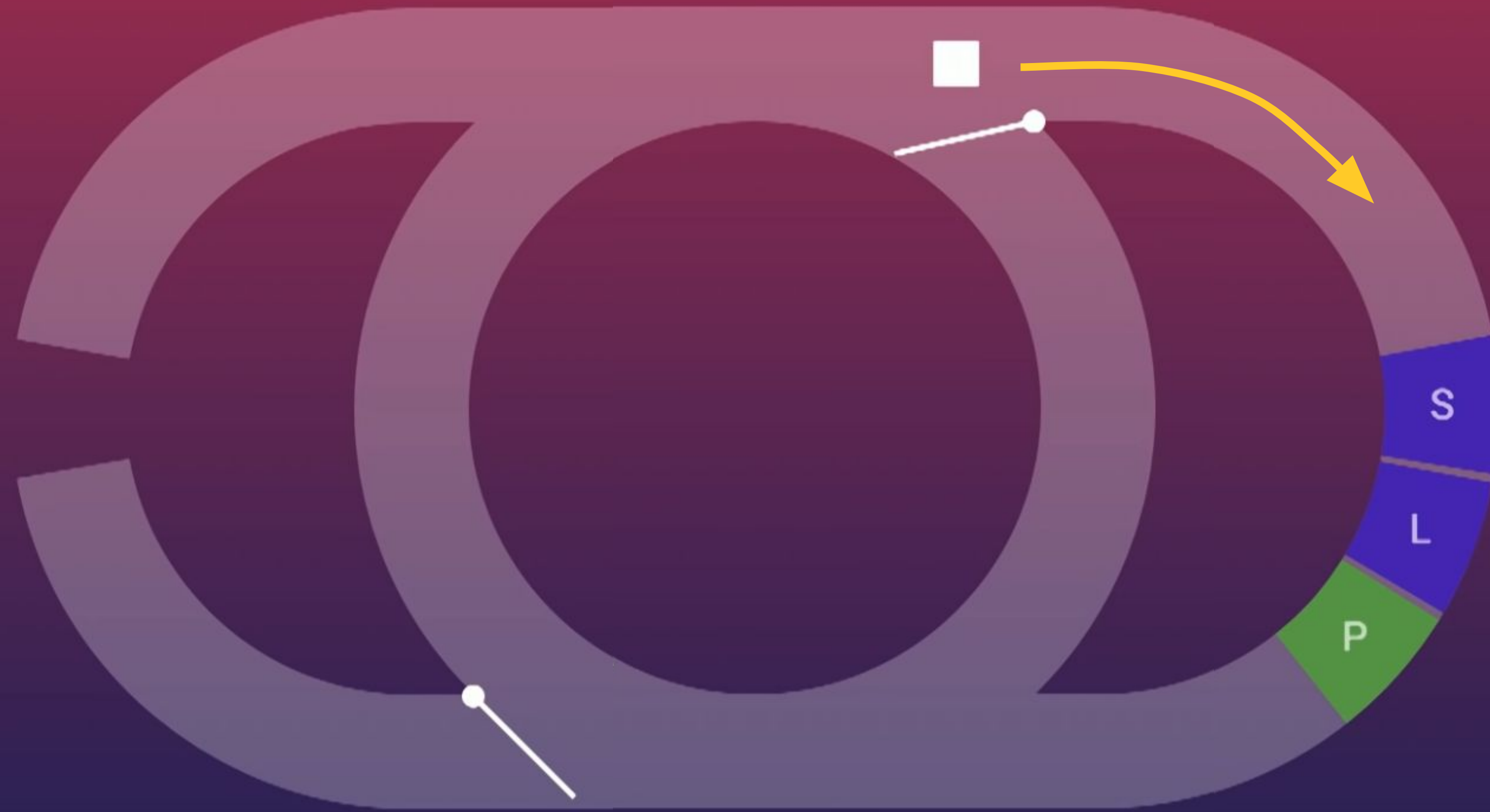
@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)



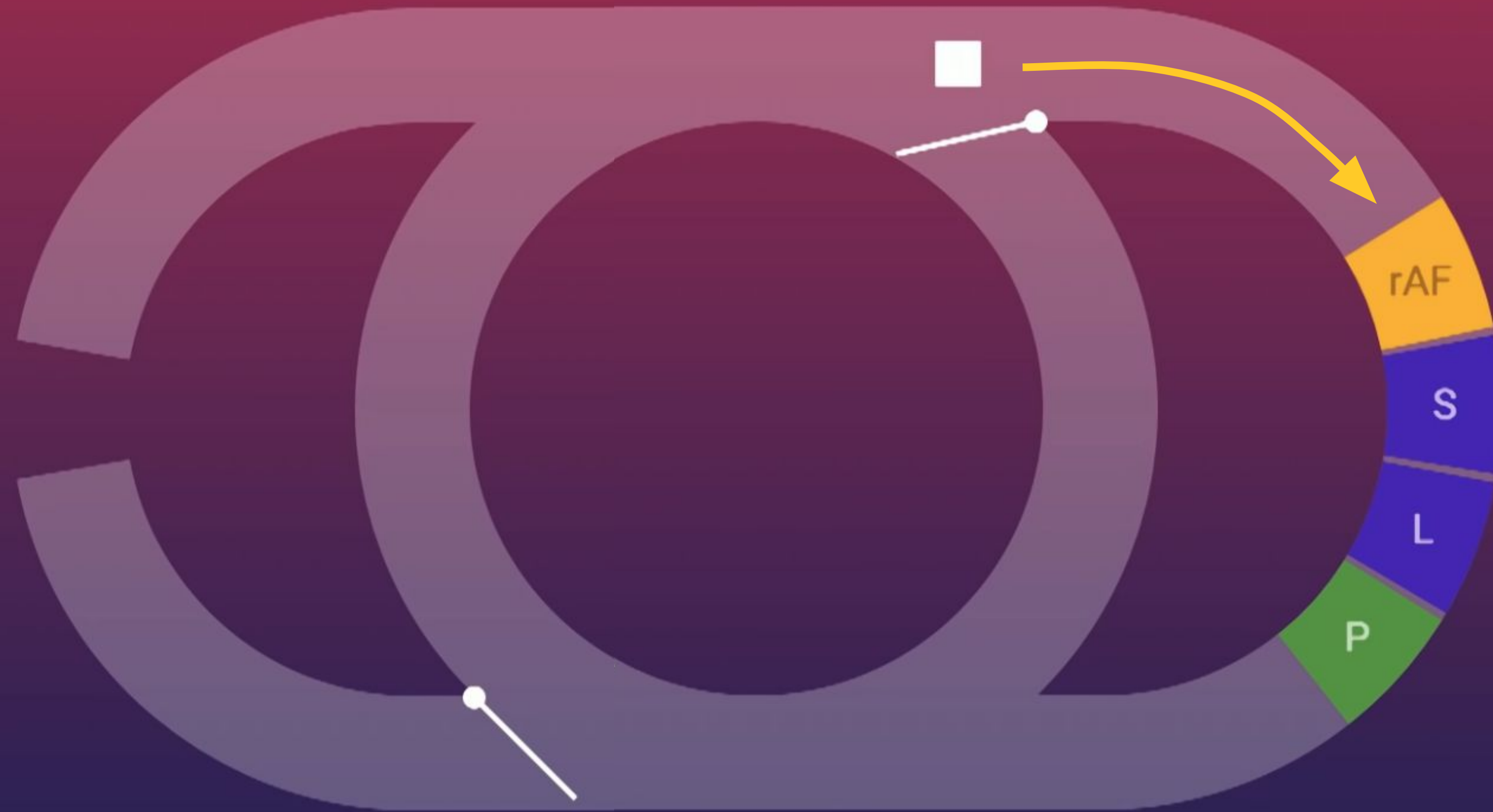
@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)



@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)



@jaffathecake

[Jake Archibald's talk "In the loop" video](#) or [Jake's talk, transposed](#)

**Don't use `requestAnimationFrame()`  
for scheduling non-animation work**

Task											
Ani...red	Animation...me Fired	Anim...ired	Animation Frame Fired		Animation...ame Fired	Animation Frame Fired	Animation Frame Fired				C...
Func...all	Function Call	Func...Call	Function Call		Function Call	Function Call	Function Call				
(an...us)	(anonymous)	(ano...ous)	(anonymous)		(anonymous)	(anonymous)	(anonymous)				
_initSlick	_initSlick	_initSlick	_initSlick		_initSlick	_initSlick	_initSlick				
t.fn.slick	t.fn.slick	t.fn.slick	t.fn.slick		t.fn.slick	reinit	t.fn.slick				
i	i	i	i		i	string	i				
e.init	e.init	e.init	e.init		e.init	o...on	e.init				e.init
		e.ch...nsive	e...ve	e...	e.ch...nsive	each	e.ch...nsive				e.ch...nsive
		e.refresh	e...h	e...	e.refresh	each	e.refresh				e.refresh
		e.init	e.init	e...	e.init	(an...s)	e.init				e.init
		e...			e...	value					(anonymous)
		i									value
											s
											each

Animation Frame Fired
Function Call
(anonymous)
_initSlick
t.fn.slick
i
e.init





```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {

};
const observer = new IntersectionObserver((entries, observer) => {

});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {

};

const observer = new IntersectionObserver((entries, observer) => {

});

sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {

  }
};
const observer = new IntersectionObserver((entries, observer) => {

});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();

  }
};
const observer = new IntersectionObserver((entries, observer) => {

});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
  }
};
const observer = new IntersectionObserver((entries, observer) => {

});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {

});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {
  entries.forEach((entry) => {

  });
});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {
  entries.forEach((entry) => {
    if (entry.isIntersecting) {

    }
  });
});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {
  entries.forEach((entry) => {
    if (entry.isIntersecting) {
      initializeSlider(entry.target)

    }
  });
});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {
  entries.forEach((entry) => {
    if (entry.isIntersecting) {
      initializeSlider(entry.target)
        .then(() => { observer.unobserve(entry.target); })
    }
  });
});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

```
const sliders = document.querySelectorAll(".my-slider");
const initializeSlider = async (slider) => {
  if (slider && !slider.classList.contains("slider-initialized")) {
    await yieldToMain();
    new Swiper(slider, { /* Options */ });
    slider.classList.add("slider-initialized");
  }
};
const observer = new IntersectionObserver((entries, observer) => {
  entries.forEach((entry) => {
    if (entry.isIntersecting) {
      initializeSlider(entry.target)
        .then(() => { observer.unobserve(entry.target); })
        .catch(console.error);
    }
  });
});
sliders.forEach((slider) => {
  observer.observe(slider);
});
```

“Is this code really needed?”

A responsible developer

```
function filterStudies({ studies, filterByOrg = false, filterByLeadOrganizat
```

# scroll-snap-type

The `scroll-snap-type` [CSS](#) property sets how strictly snap points are enforced on the scroll container in case there is one.



Baseline Widely available



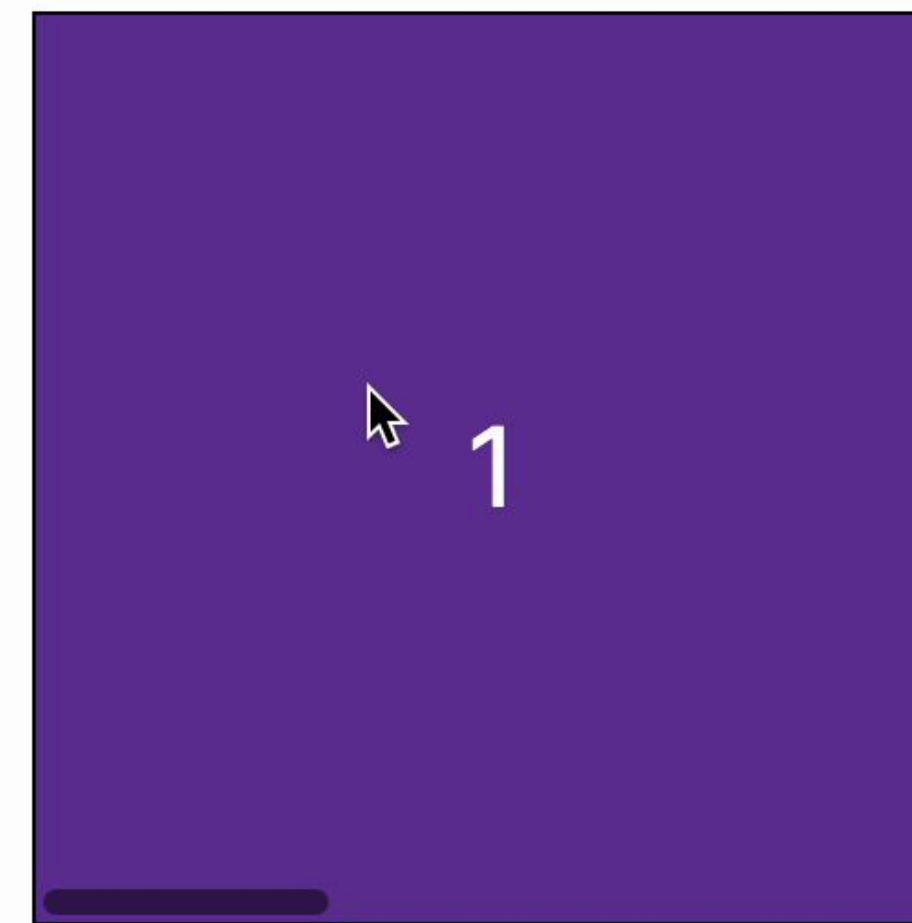
CSS Demo: scroll-snap-type

RESET

```
scroll-snap-type: none;
```

```
scroll-snap-type: x mandatory;
```

```
scroll-snap-type: x proximity;
```



Scroll »

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**Appendix A: Redirection of Overflow**

Channeling Overflow: the 'continue' property

# CSS Overflow Module Level 5

Editor's Draft, 17 March 2026

**▼ More details about this document****This version:**<https://drafts.csswg.org/css-overflow-5/>**Latest published version:**<https://www.w3.org/TR/css-overflow-5/>**Feedback:**[CSSWG Issues Repository](#)[Inline In Spec](#)**Editors:**[Florian Rivoal](#) (On behalf of Bloomberg)[Elika J. Etemad / fantasai](#) (Apple)[Robert Flack](#) (Google)**Suggest an Edit for this Spec:**[GitHub Editor](#)**Test Suite:**<https://wpt.fyi/results/css/css-pseudo/>Copyright © 2026 World Wide Web Consortium. W3C<sup>®</sup> liability, trademark and permissive document license rules apply.



Carousels with CSS <https://developer.chrome.com/blog/carousels-with-css>  
A11Y <https://developer.chrome.com/blog/accessible-carousel>  
Examples <https://chrome.dev/carousel/>

**Run only the Javascript code  
that is currently needed**

And delay everything else

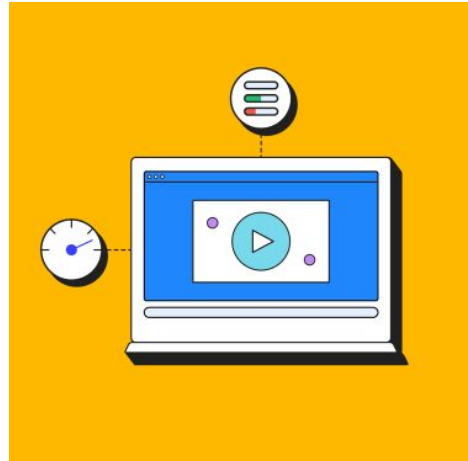
# Conclusion

# Things to remember

- ❑ Yield to the main thread before calling tracking functions
- ❑ Using custom CSS props? Set them close to where you need them
- ❑ Check `requestAnimationFrame()` is used only for scheduling animation work
- ❑ Delay all the Javascript code that is not *currently* needed

# WEB DAY 2026

**Thanks!**



How to optimize INP - web.dev  
<https://web.dev/explore/how-to-optimize-inp>



Optimizing INP for a React App & Performance Learnings - TK  
<https://www.iamtk.co/optimizing-inp-for-a-react-app-and-performance-learnings>



Optimizing INP: A deep dive  
Chrome for developers



Troubleshoot slow interactions  
Jeremy Wagner



In the loop, JS Conf Asia  
Jake Archibald