

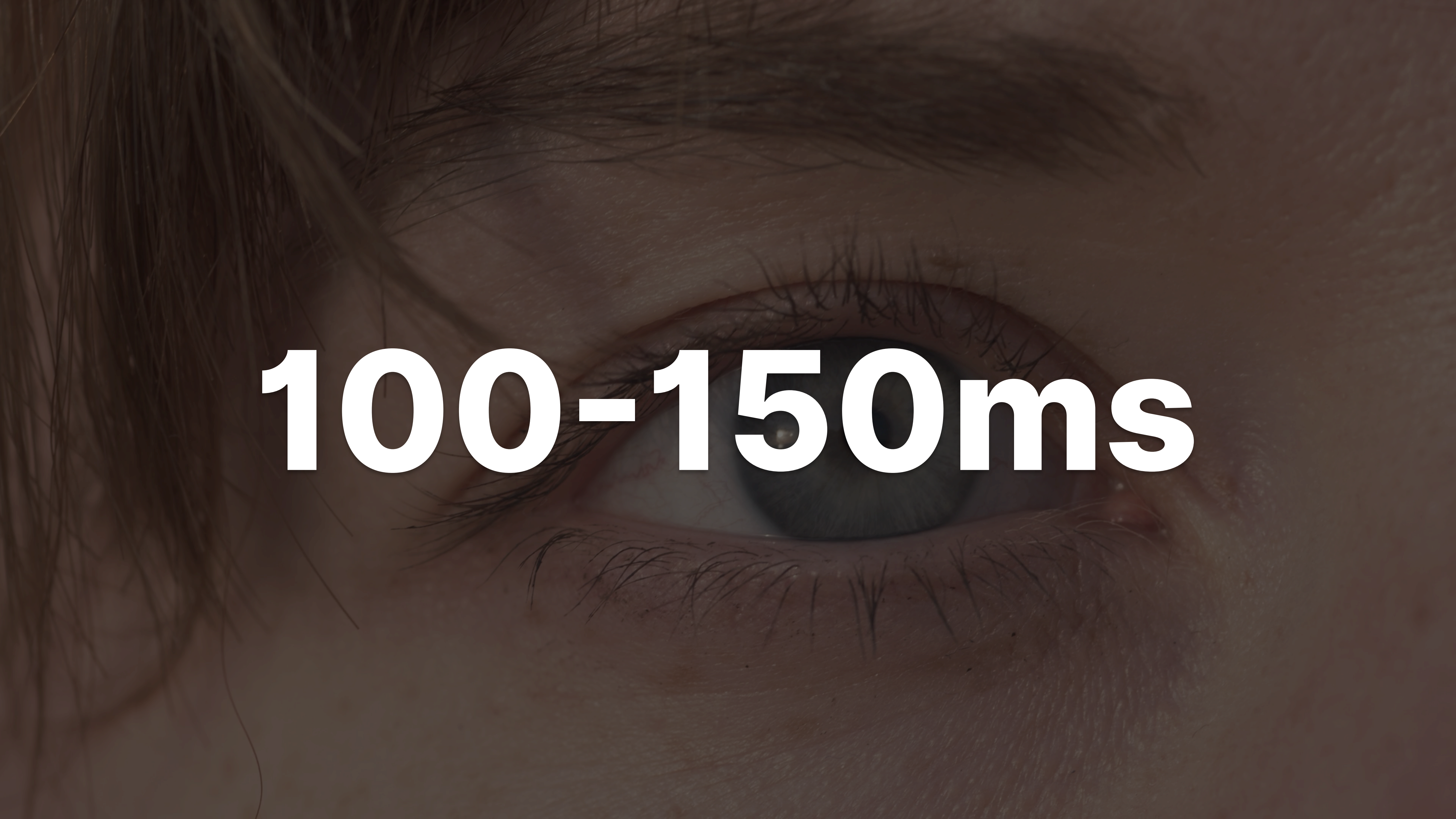
One Step Ahead

Tim Kadlec

@tkadlec.bsky.social

[linkedin.com/in/tkadlec/](https://www.linkedin.com/in/tkadlec/)



A close-up, high-resolution photograph of a human eye, focusing on the iris and eyelashes. The eye is looking directly at the camera. The image is dimly lit, with a dark, moody atmosphere. Overlaid on the center of the eye is the text "100-150ms" in a large, bold, white sans-serif font.

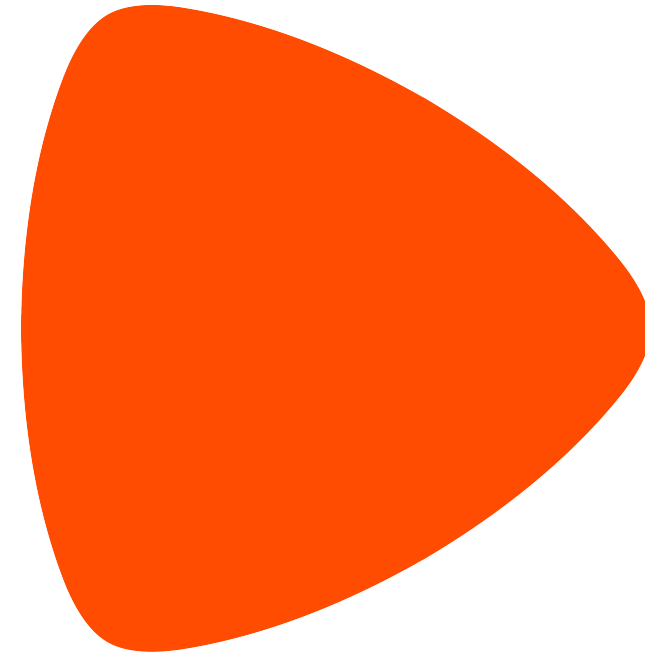
100-150ms



100ms = +1%



100ms = +1%

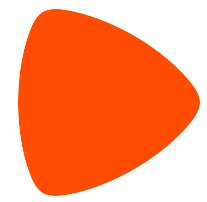


100ms = +.7%


100ms = +1%



100ms = +1%

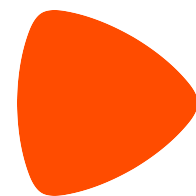

100ms = +.7%



100ms = +1%



100ms = +1.1%



100ms = +.7%



100ms = +1%

ed in the fol-
d guesses by
who has spe-
thinking and
re based on
d above and
d, be verified
in artificial
out in care-
onments and
these studies

change in control force after moving a switch past a detent position are examples. They indicate responsiveness of the terminal as an object. This response should be immediate and perceived as a part of the mechanical action induced by the operator. *Time delay:* No more than 0.1 second. See also Topic No. 13, "Graphic Response from Light Pen."

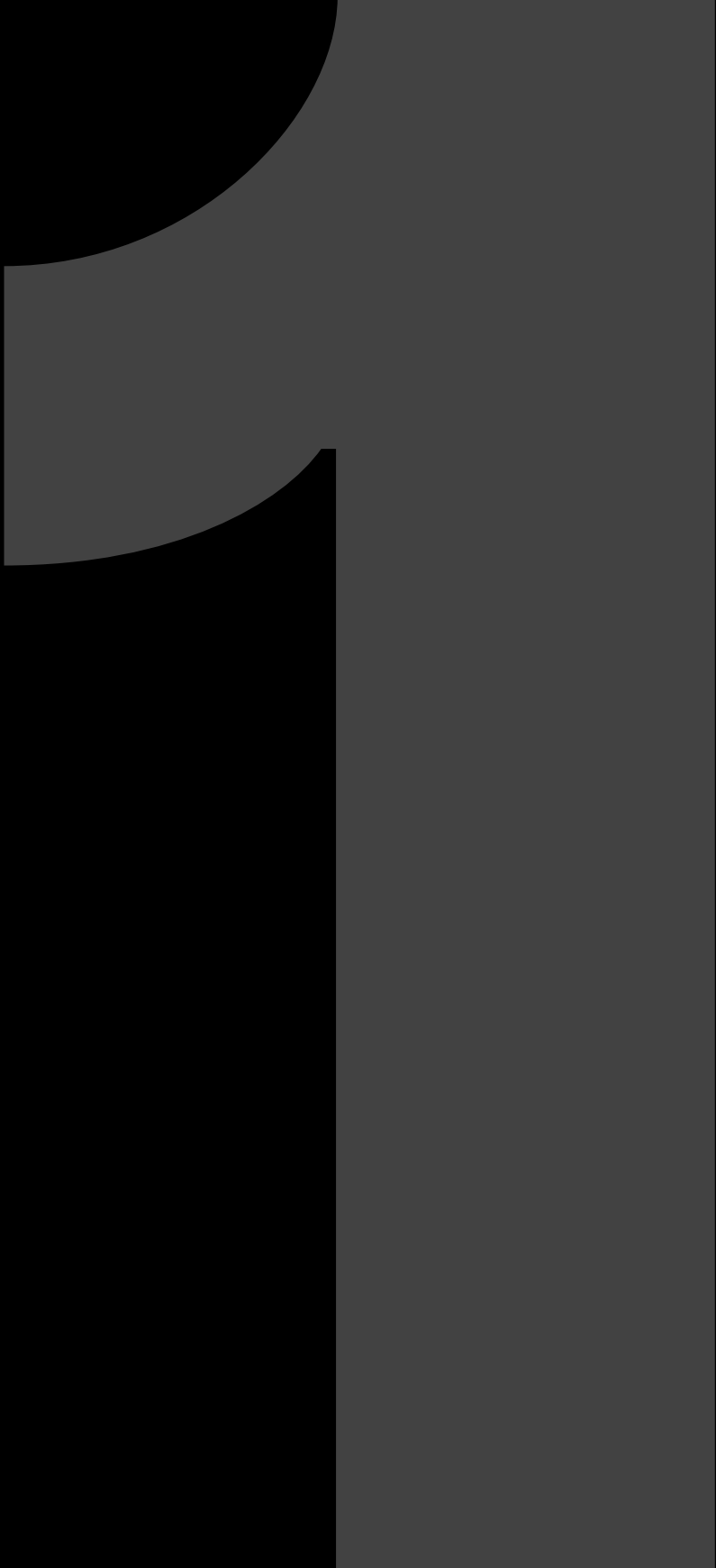
A second form of feedback to the user at a keyboard is evidence of the key's being struck. In a typewriter, this is given by the printed character on the paper. This appears practically simultane-

See also People 170-18, Graphical Response from
Light Pen."

A second form of feedback to the user at a keyboard is evidence of the key's being struck. In a typewriter, this is given by the printed character on the paper. This appears practically simultaneously (to the user) to striking or activating the key. Even if printed feedback of text being entered by the user goes through the computer before it is printed on the platen or CRT, the delay between depressing the key and the visual feedback should be no more than 0.1 to 0.2 seconds.

(Note that this delay in feedback may be far too slow for skilled keyboard users. These people are able to attend to the display, not the keyboard,

**Expectations are
not constant.**



Jevons Paradox

The more we have of a resource, the more we consume.

MEDIAN DESKTOP

2920.0 KB

▲27.4%

MEDIAN MOBILE

2604.1 KB

▲29.3%

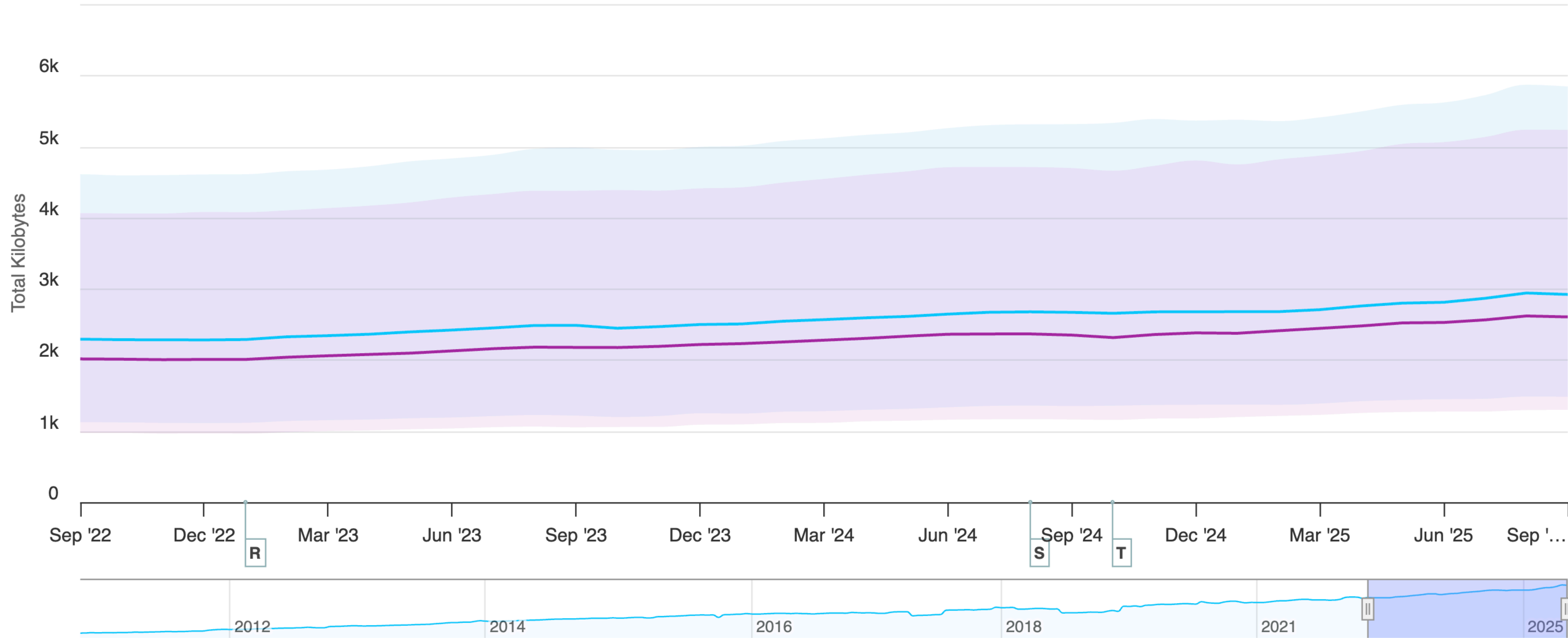
Timeseries of Total Kilobytes

Source: <http://archive.org>



Zoom 1m 3m 6m YTD 1y **3y** All

1 Sep 2022 → 1 Sep 2025



MEDIAN DESKTOP
756.1 KB
▲47.1%

MEDIAN MOBILE
677.6 KB
▲44.2%

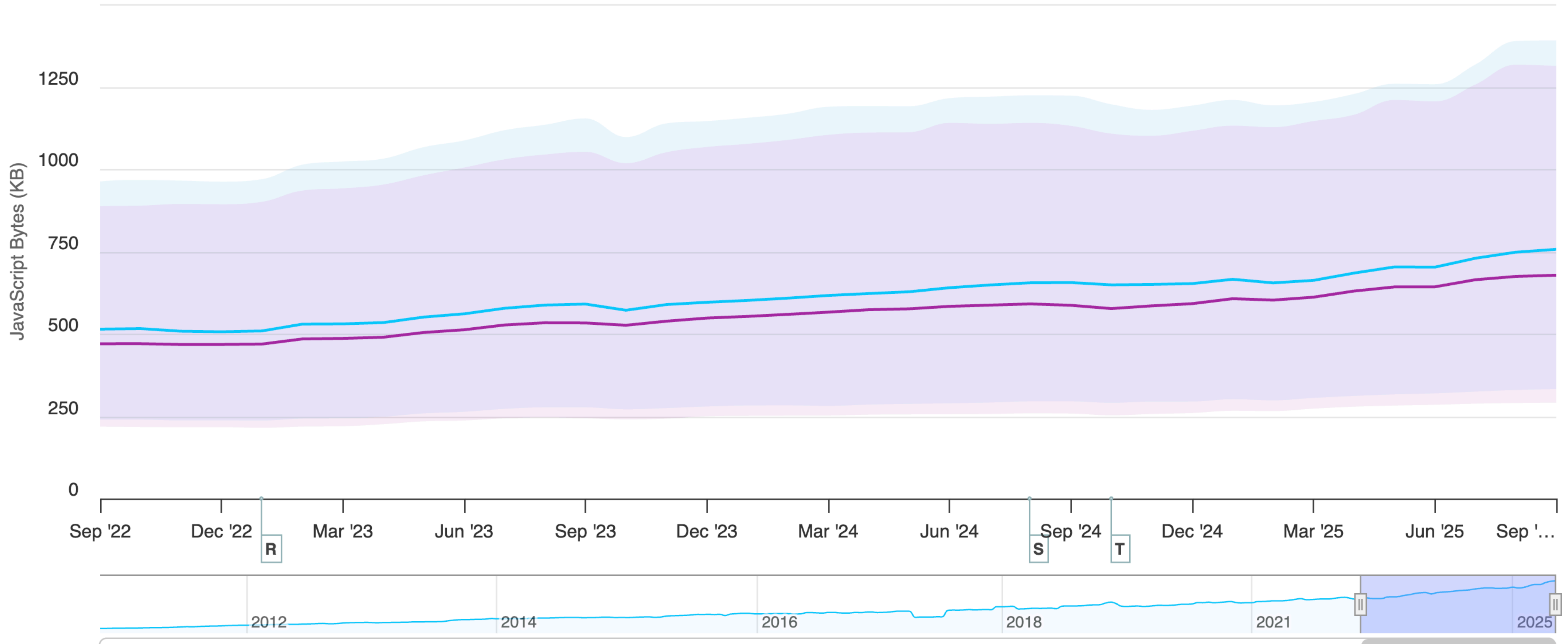
Timeseries of JavaScript Bytes

Source: <http://archive.org>



Zoom 1m 3m 6m YTD 1y **3y** All

1 Sep 2022 → 1 Sep 2025



MEDIAN DESKTOP
756.1 KB
▲753.4%

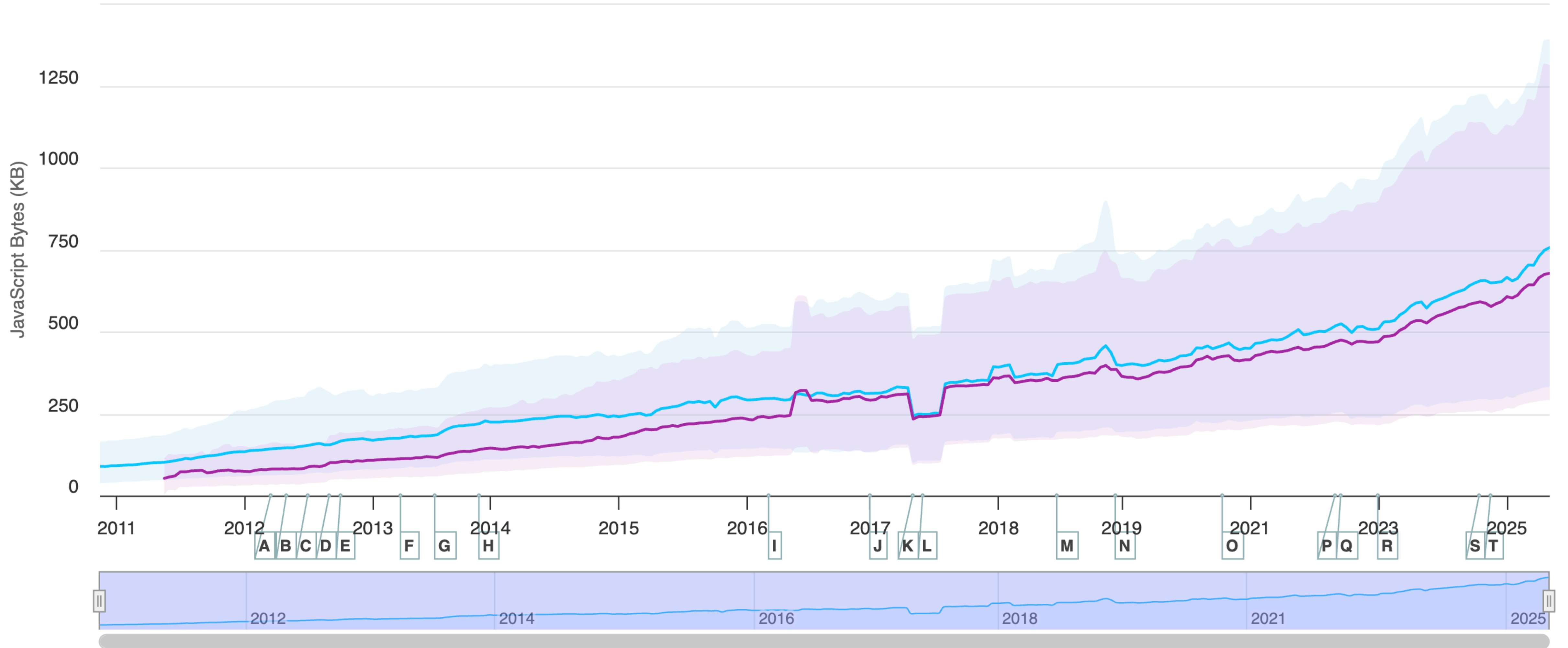
MEDIAN MOBILE
677.6 KB
▲1193.1%

Timeseries of JavaScript Bytes

Source: httparchive.org

Zoom 1m 3m 6m YTD 1y 3y **All**

15 Nov 2010 → 1 Sep 2025





Hedonistic Treadmill

As resources become more powerful, our expectations increase, diminishing our satisfaction.



wembanyama

Trading Card Sin... ▾

Search

Advanced

Related: [wembanyama psa 10](#) [wembanyama prizm](#) [anthony edwards](#) [wembanyama psa](#) [wembanyama auto](#) [paolo banchero](#) [cj stroud](#) [victor wembanyama...](#) ☐ Include description

Category —

- All
- Sports Mem, Cards & Fan Shop
- Sports Trading Cards
- Trading Card Singles**
- Trading Card Lots
- Sealed Trading Card Boxes
- Trading Card Sets
- More +
- Clothing, Shoes & Accessories
- Collectibles
- Books & Magazines
- Home & Garden
- Show More +

Graded —

- ☐ Yes (23,359)
- ☐ No (42,144)
- ☐ Not Specified (606)

Grade _____

- ☐ 10 (13,569)
- ☐ 4 (47)



RJG Autographs and Cards

11K items sold

[Shop store on eBay→](#)

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65,000+ results for **wembanyama** Save this search Shipping to **54521**

[All](#)
[Auction](#)
[Buy It Now](#)
[Condition](#)
[Delivery Options](#)
[Sort: Price + Shipping: low...](#)

2023-24 Panini NBA Hoops Rookie Cards-Victor Wembanyama, Jaime Jaquez, and More!

Pre-Owned

\$0.99 to \$1.59

Buy It Now

+\$0.51 shipping

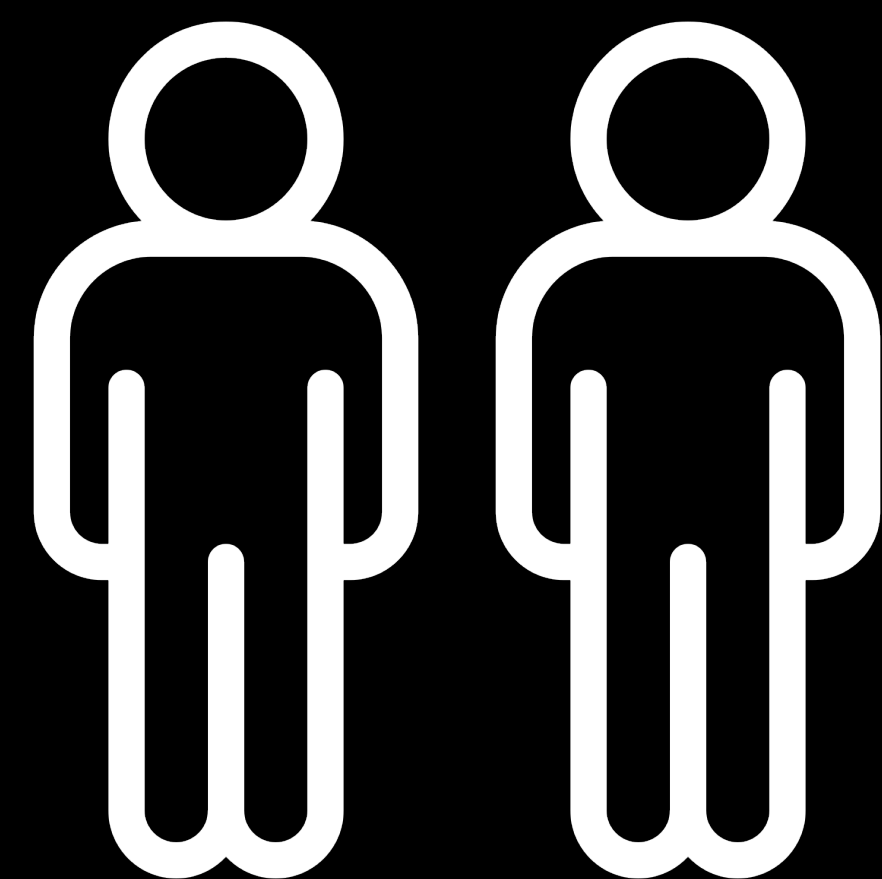
santafesportscards (24) 100%

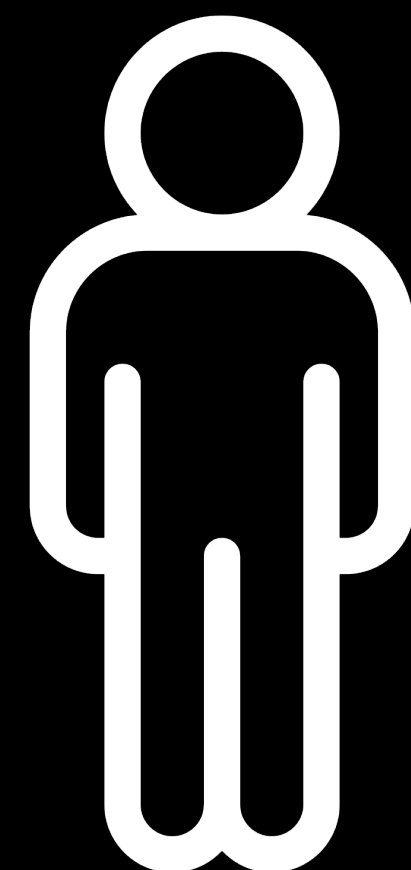
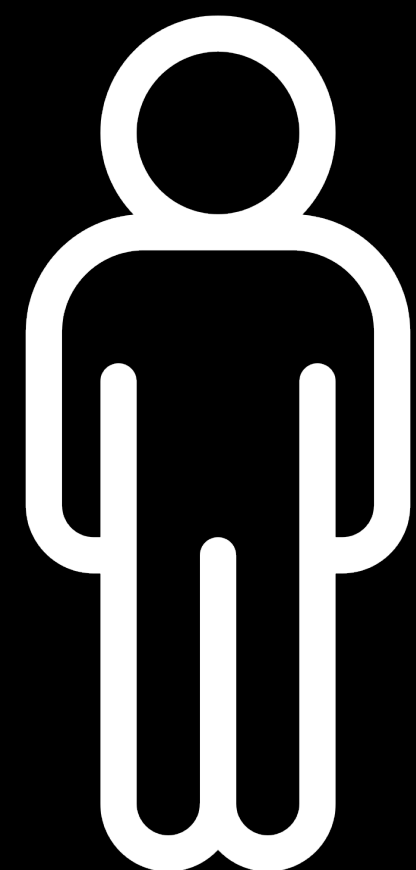
2024 Topps Series 2 Inserts First Pitch Victor Wembanyama and more! You Pick!
Pre-Owned
\$0.99 to \$12.99 Save up to 7% when you buy more

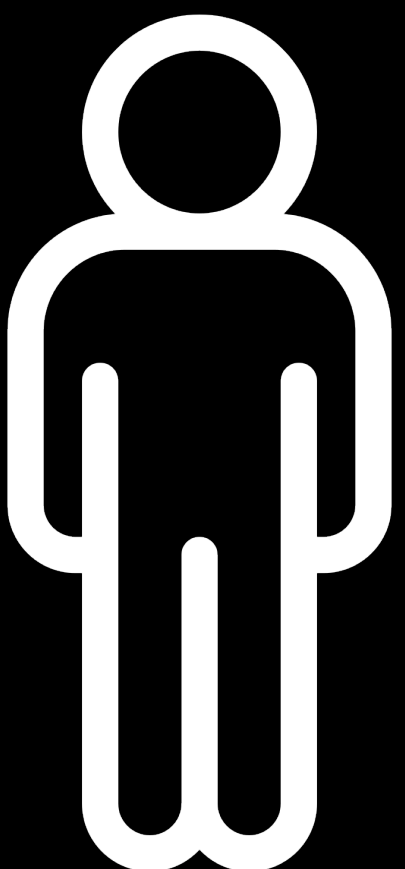
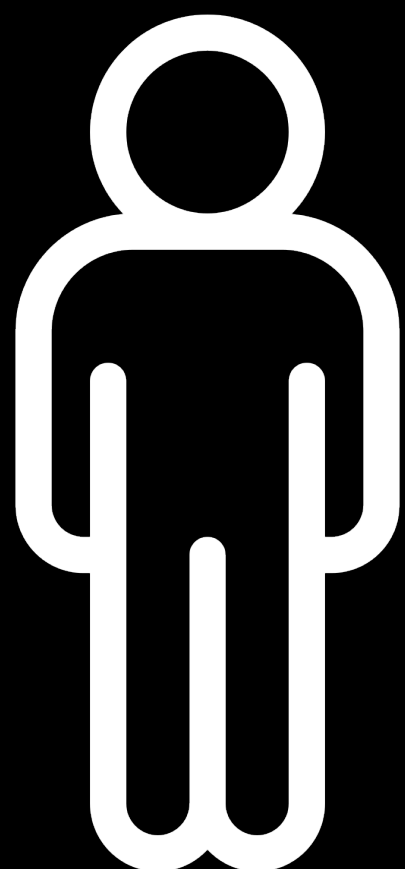
More filters...

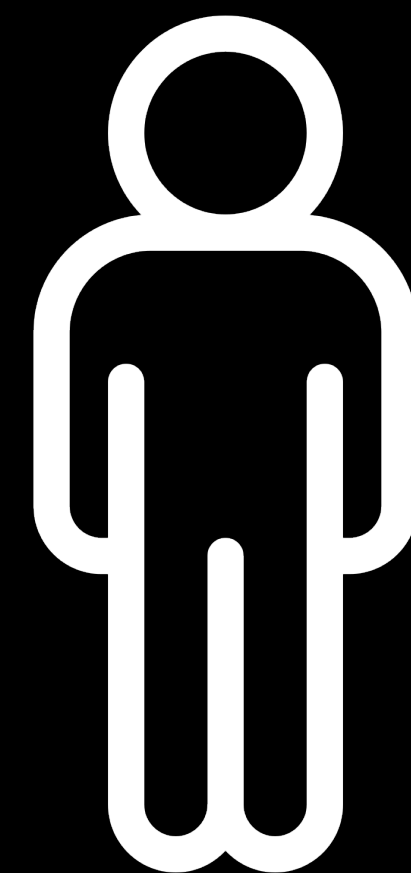
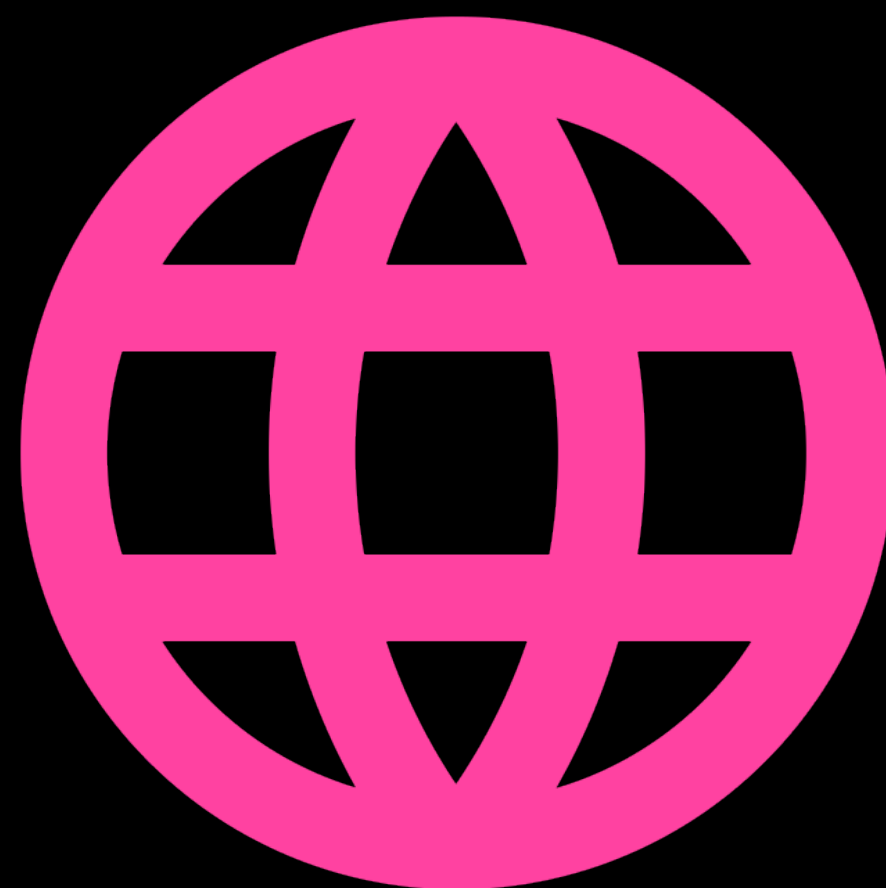
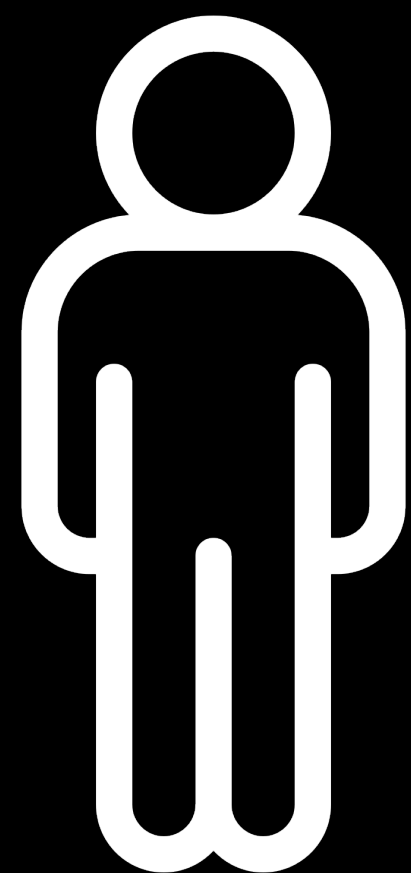


**Expectations are learned
through experience.**









Opportunity.

(Loading)

LCP

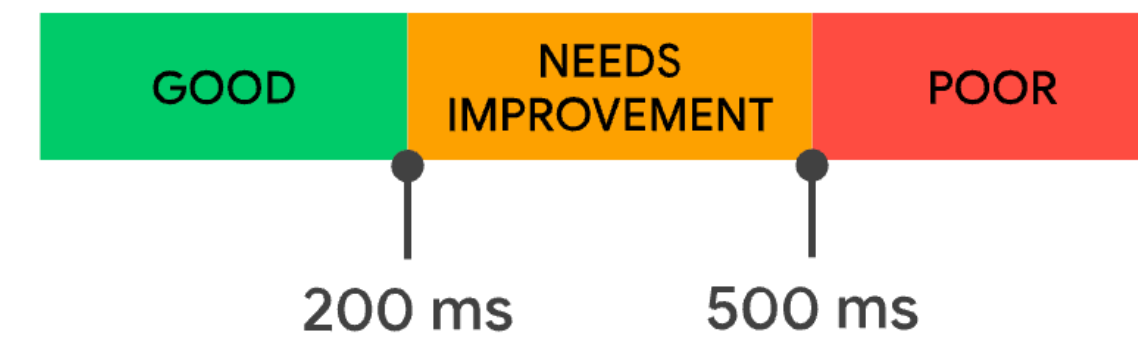
Largest Contentful Paint



(Interactivity)

INP

Interaction to Next Paint



(Visual Stability)

CLS

Cumulative Layout Shift

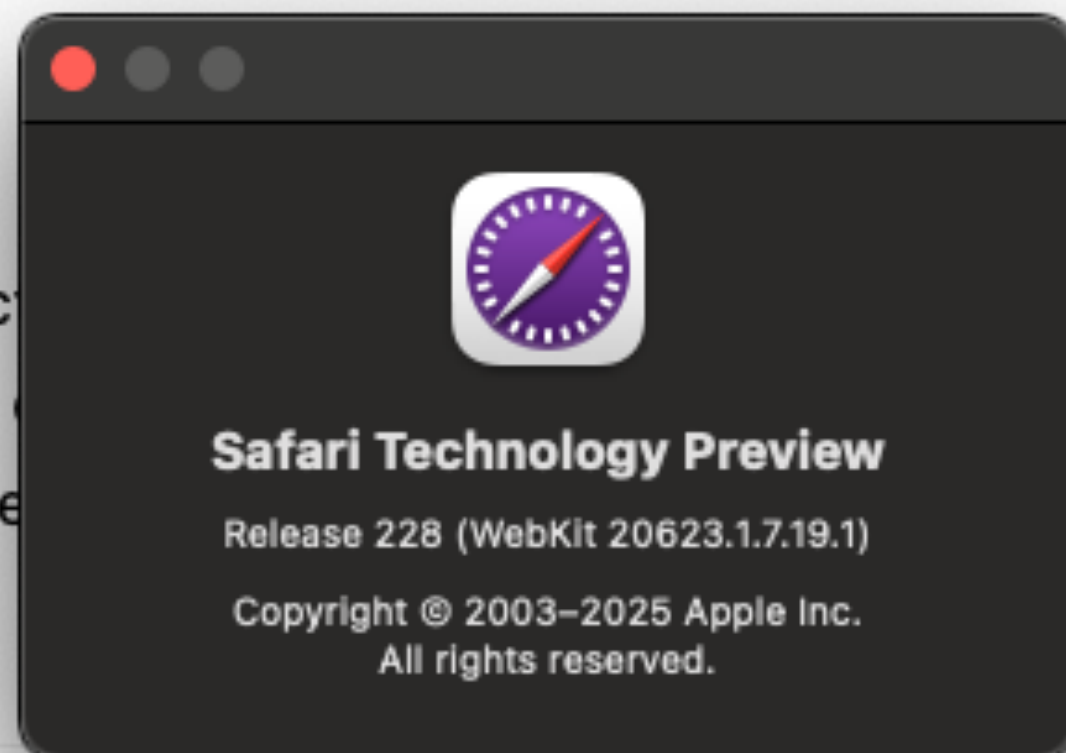


Interaction to Next Paint (INP) ⚡ Live Demo

To help you get a "feel" for the INP metric 🖱️ [\(Learn more\)](#)

Instructions

1. Use the controls below to add interactions
2. Start interacting with the page (type, click, etc.)
3. Notice how the experience affects the INP value
4. Refresh the page to start over.



INP value
(since page load)

208



☒ Active

Introduce periodic main thread blocking

Frequency



Customize event processing times

keydown blocking time (0ms)



keyup blocking time (0ms)

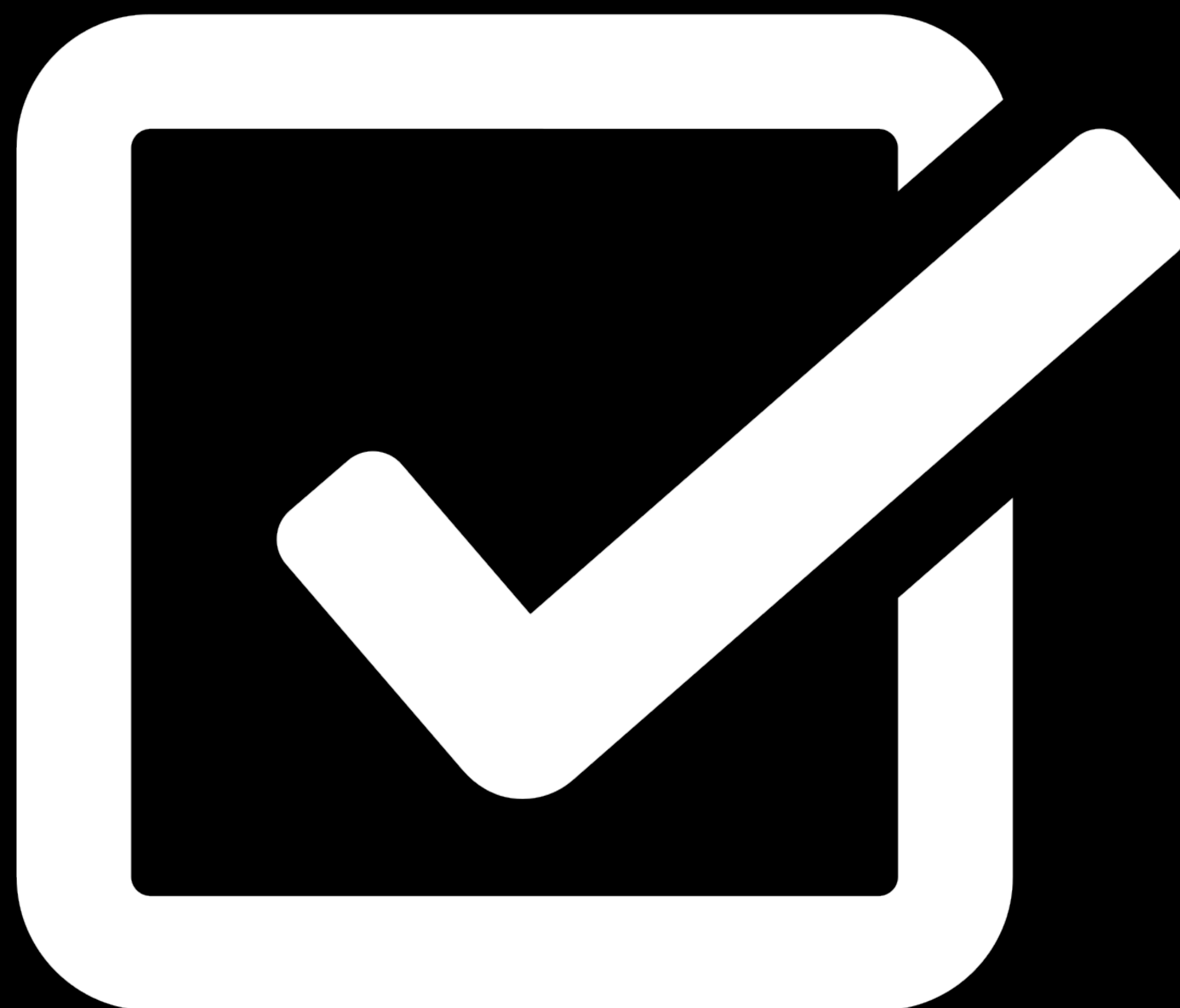


Start typing...

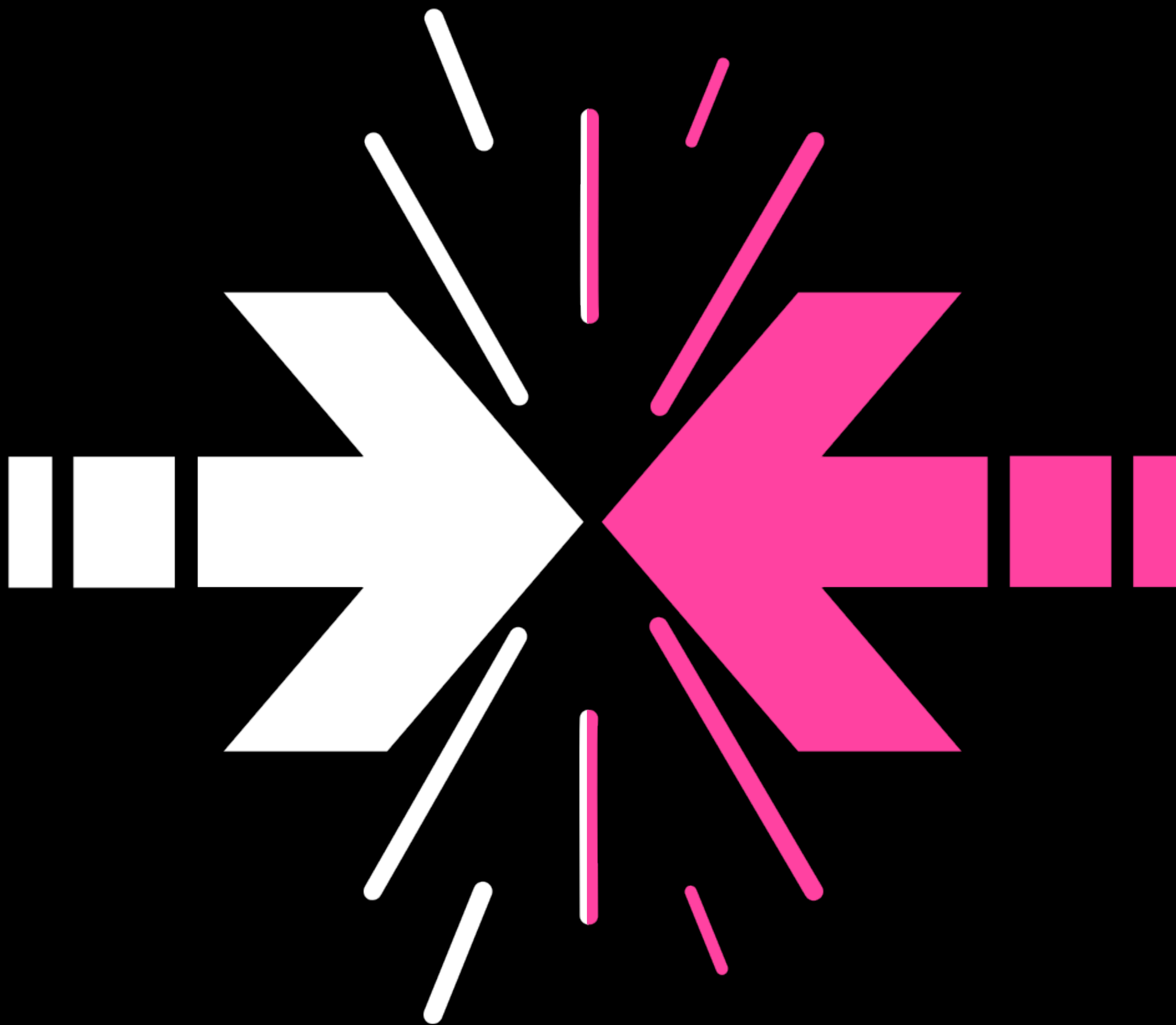
testing

Event log (descending order)

Interaction No.	Event Type	Duration	Timestamp
8	keyup	16	15:59:42.946Z
8	keydown	96	15:59:42.946Z



**Core Web Vitals are a
better starting point
than a finish line.**



**A return to
the browser.**



Juju Watkins

2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

More in Women's Basketball

View All >



CSS View Transitions Module Level 1

Editor's Draft, 2 May 2025



▼ More details about this document

This version:

<https://drafts.csswg.org/css-view-transitions-1/>

Latest published version:

<https://www.w3.org/TR/css-view-transitions-1/>

Implementation Report:

<https://wpt.fyi/results/css/css-view-transitions>

Feedback:

[CSSWG Issues Repository](#)

Editors:

[Tab Atkins-Bittner](#) (Google)

Jake Archibald (Google)

Khushal Sagar (Google)

Suggest an Edit for this Spec:

[GitHub Editor](#)


```
@view-transition {  
  navigation: auto;  
}
```




Juju Watkins

2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

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2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43



Hannah Hidalgo

2023 Bowman University Chrome Sapphire Yellow #26

PSA 10

Year	2023
Parallel/Variety	Yellow
Card Number	26

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2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

More in Women's Basketball

[View All >](#)



```
<img
  style="
    view-transition-name:
      u1-1748427501199-wemjtfslp"
  ...
>
```




Juju Watkins

2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

More in Women's Basketball

[View All >](#)



```
<img
  style="
    view-transition-name:
      u1-1748427501199-wemjtfslp"
  ...
>
```



```
<card-flip
  style="
    view-transition-name:
      u1-1748427416318-5btave6zs"
  ...
>
```

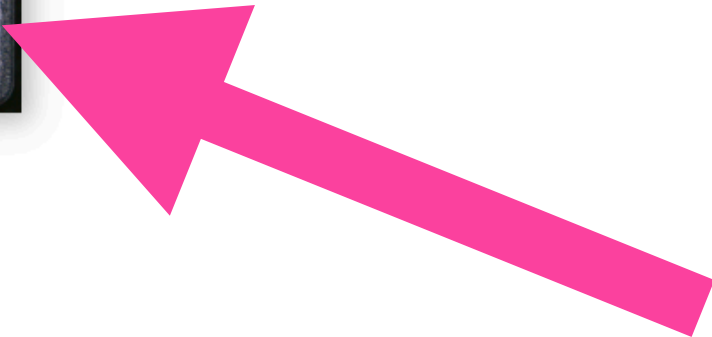


Hannah Hidalgo

2023 Bowman University Chrome Sapphire Yellow #26

PSA 10

Year	2023
Parallel/Variety	Yellow
Card Number	26



More in Women's Basketball

[View All >](#)




```
<card-flip
  style="
    view-transition-name:
      u1-1748427416318-5btave6zs"
  ...
>
```

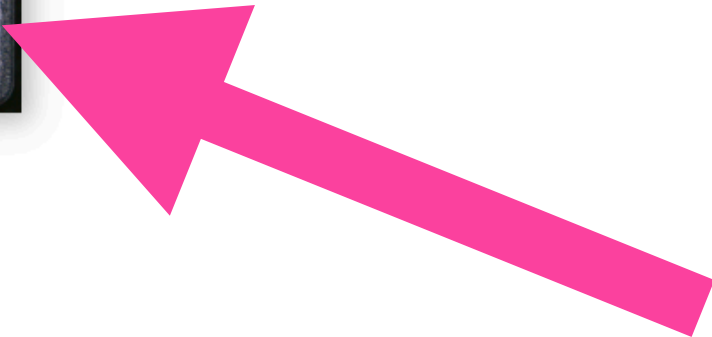


Hannah Hidalgo

2023 Bowman University Chrome Sapphire Yellow #26

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Hannah Hidalgo

2023 Bowman University Chrome Sapphire Yellow #26

PSA 10

Year	2023
Parallel/Variety	Yellow
Card Number	26

More in Women's Basketball

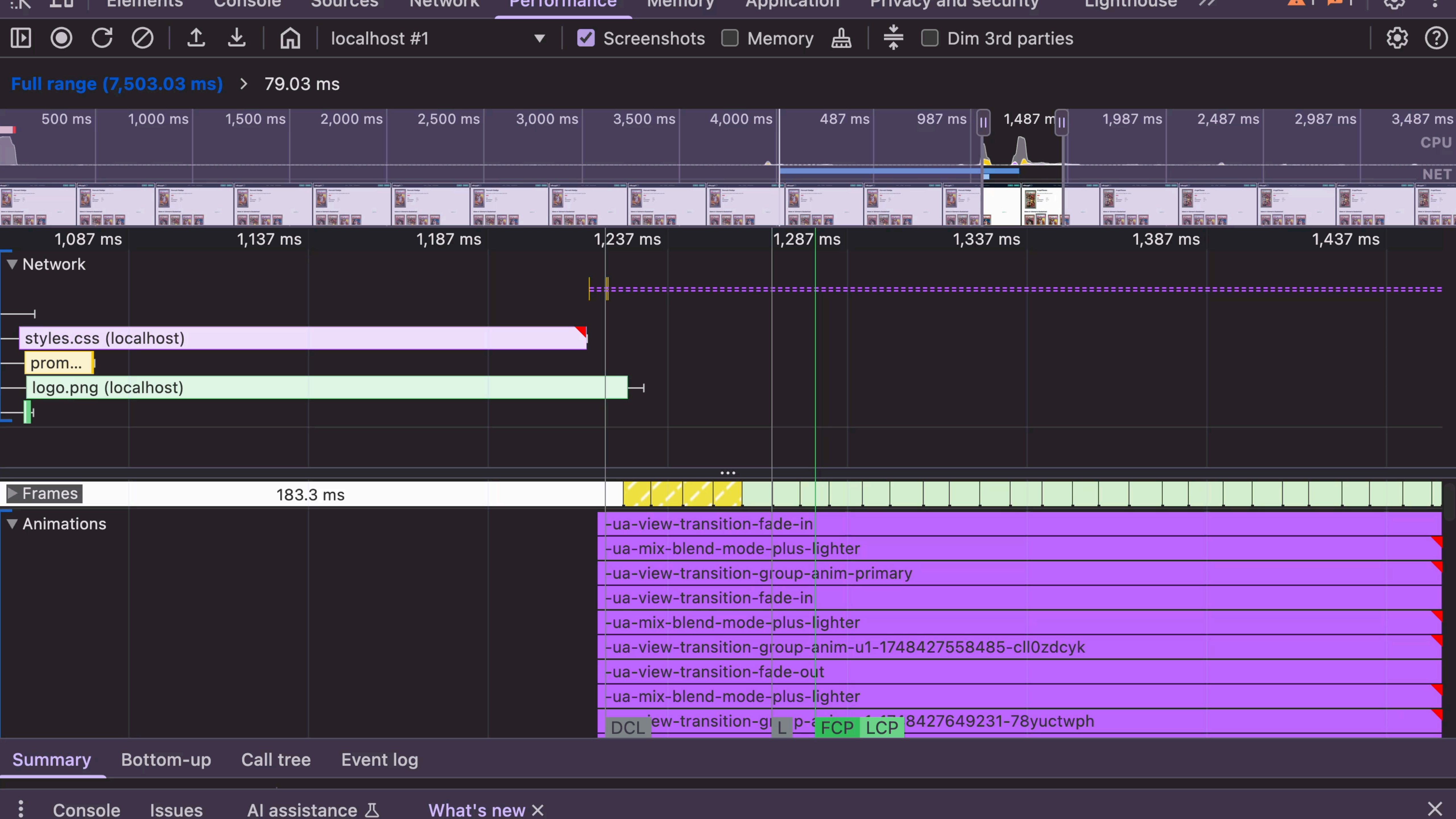
[View All >](#)

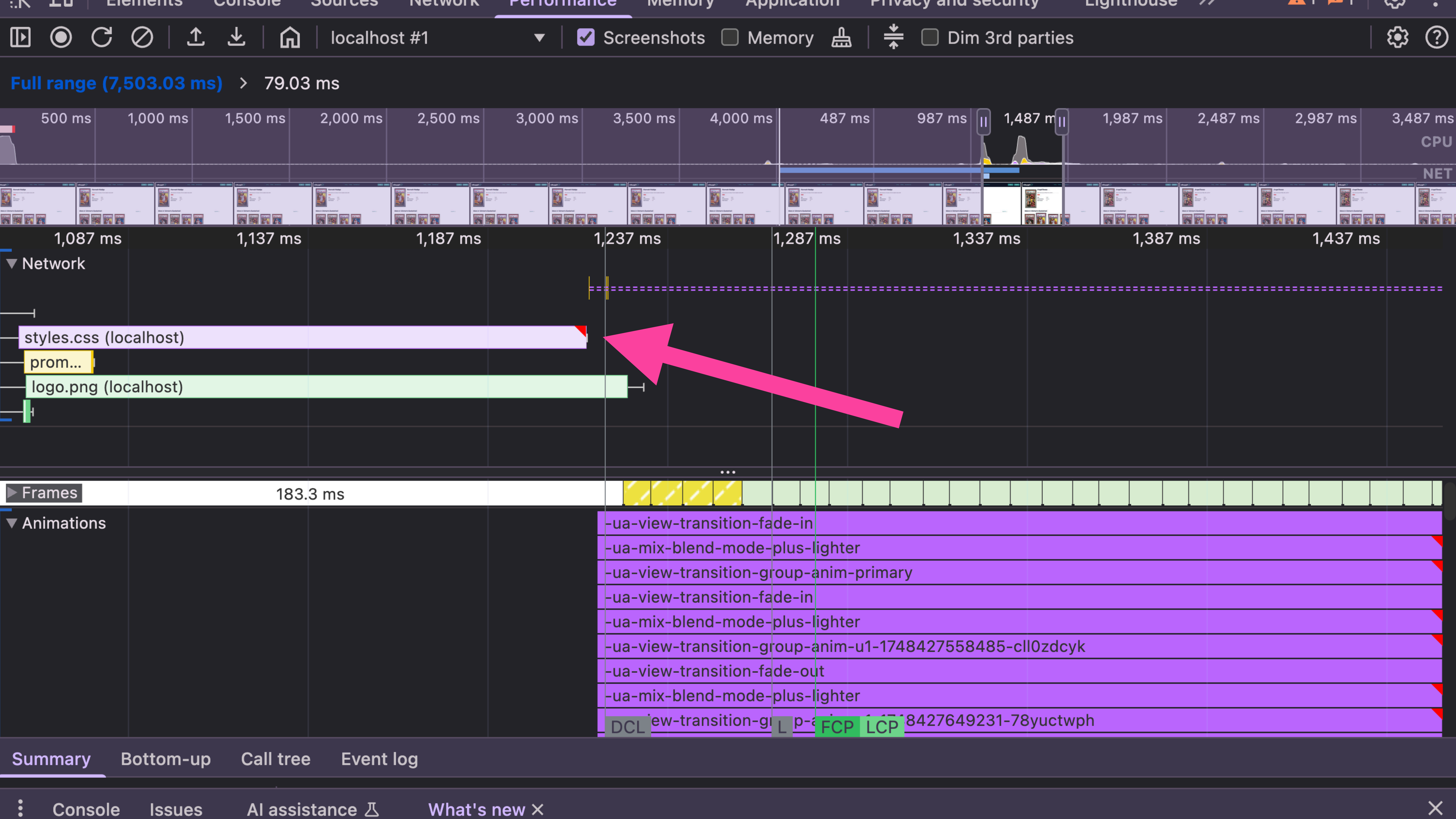


More in Women's Basketball

[View All >](#)









W3C Community Group
Draft Report

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Speculation Rules

Draft Community Group Report, 23 May 2025

This version:
<https://wicg.github.io/nav-speculation/speculation-rules.html>

Issue Tracking:
[GitHub](#)
[Inline In Spec](#)

Editor:
[Jeremy Roman](#) (Google)

Copyright © 2025 the Contributors to the Speculation Rules Specification, published by the [Web Platform Incubator Community Group](#) under the [W3C Community Contributor License Agreement \(CLA\)](#). A human-readable [summary](#) is available.

Abstract

A flexible syntax for defining what outgoing links can be prepared speculatively before navigation.

Status of this document

This specification was published by the [Web Platform Incubator Community Group](#). It is not a W3C Standard nor is it on the W3C Standards Track. Please note that under the [W3C Community Contributor License Agreement \(CLA\)](#) there is a limited opt-out and other conditions apply. Learn more about [W3C Community and Business Groups](#).

§ 1. Speculation rules


```
<script type="speculationrules">
{
  "prerender": [{
    "where": {
      "href_matches": "/*"
    },
    "eagerness": "moderate"
  }]
}
</script>
```


What action to take

```
<script type="speculationrules">
{
  "prerender": [{
    "where": {
      "href_matches": "/*"
    },
    "eagerness": "moderate"
  }]
}
</script>
```



What action to take

prefetch

Fetch the HTML document.

prerender

Fetch, render and load the page in an invisible tab.

What action to take

prefetch

Less risk, less reward. Avoid prefetching pages that modify state.

prerender

More risk, more reward. Analytics & ads gotchas.


```
<script type="speculationrules">
{
  "prerender": [{
    "where": {
      "href_matches": "/*"
    },
    "eagerness": "moderate"
  }]
}
</script>
```

**What to apply
it to**



What to apply it to

urls

A list of specific URL's

where

A series of conditions to check against the document


```
{  
  "prefetch": [{  
    "urls": [  
      "/page-two",  
      "/page-three"  
    ]  
  }]  
}
```

```
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "href_matches": "/logout" } }
        ]
      }
    }
  ]
}
```

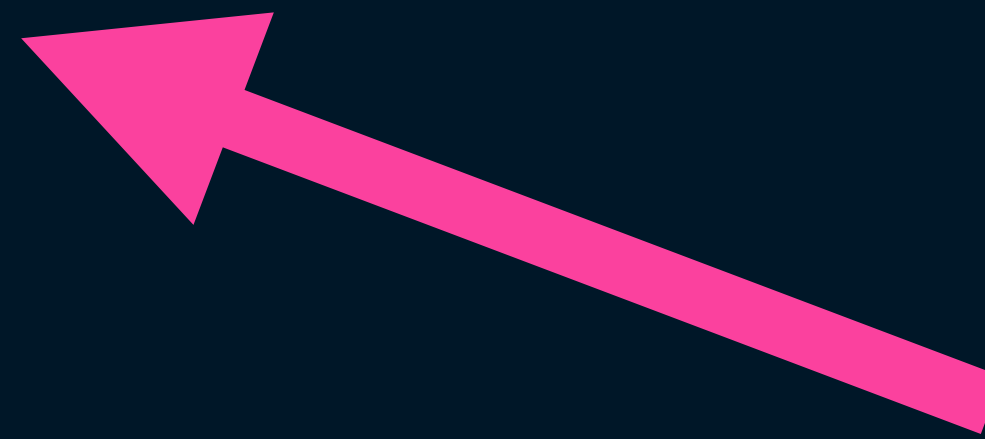


```
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "href_matches": "/logout" } }
        ]
      }
    }
  ]
}
```

```
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "href_matches": "/logout" } }
        ]
      }
    }
  ]
}
```



```
<script type="speculationrules">
{
  "prerender": [{
    "where": {
      "href_matches": "/*"
    },
    "eagerness": "moderate"
  }]
}
</script>
```



**When to
apply it**



immediate

ASAP in idle time

ASAP in idle time

eager

Experiment: Delay on hover
(10ms)

Planned: Eager Viewport
Heuristics

moderate

Hovered over for 200ms, or
pointerdown event

Moderate viewport heuristics or
pointerdown event

conservative

Pointer or touch down

Pointer or touch down

Speculation rules eagerness improvements

Author: Domenic Denicola
Collaborator: Takashi Nakayama
Last updated: 2025-10-01
PUBLIC, commentable by @chromium.org

Initial state (Jun. 12, 2025)

	Desktop	Mobile
Immediate	ASAP in idle time	ASAP in idle time
Eager	ASAP in idle time	ASAP in idle time
Moderate	200 ms-delay hover	On pointerdown
Conservative	On pointerdown	On pointerdown

Note: Mobile is based on OS type (Android), rather than user-agent or viewport

Proposed plan + current state (as of Oct. 01, 2025)

	Desktop	Mobile
Immediate	ASAP in idle time	ASAP in idle time
Eager	<i>Small-delay hover (In Stable 50% experiment, crbug.com/40287486)</i>	<i>Eager viewport heuristics (Not started yet, crbug.com/436705485)</i>
Moderate	200 ms-delay hover	<i>Moderate viewport heuristics (Stable 100%, crbug.com/372053392)</i>
Conservative	On pointerdown	On pointerdown

**Using eagerness gives
us a natural progression.**



immediate

ASAP in idle time

ASAP in idle time

eager

Experiment: Delay on hover
(10ms)

Planned: Eager Viewport
Heuristics

moderate

Hovered over for 200ms, or
pointerdown event

Moderate viewport heuristics or
pointerdown event

conservative

Pointer or touch down

Pointer or touch down

```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

<https://csswizardry.com/2024/12/a-layered-approach-to-speculation-rules/>


```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

```
"prefetch": [  
  {  
    "where": {  
      "selector_matches": "[data-prefetch=' ']"  
    },  
    "eagerness": "immediate"  
  },  
]
```

```
<a href="/link" data-prefetch>
```



```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

```
{
  "where": {
    "and": [
      { "href_matches": "/*" },
      { "not": { "selector_matches": "[data-prefetch=false]" } }
    ]
  },
  "eagerness": "moderate"
}
```

`<a href="/less-important-link">`

`<a href="https://google.com">`


```
{  
  "where": {  
    "and": [  
      { "href_matches": "/*" },  
      { "not": { "selector_matches": "[data-prefetch=false]" } }  
    ],  
  },  
  "eagerness": "moderate"  
}
```



```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```



```
<a href="/prerender-me" data-prefetch="prerender">
```

```
{  
  "where": {  
    "selector_matches": "[data-prefetch=prerender]"  
  },  
  "eagerness": "immediate"  
},
```

```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```



```
<a href="/link" data-prefetch>
```

```
{  
  "where": {  
    "selector_matches": "[data-prefetch='']"  
  },  
  "eagerness": "moderate"  
}
```

```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

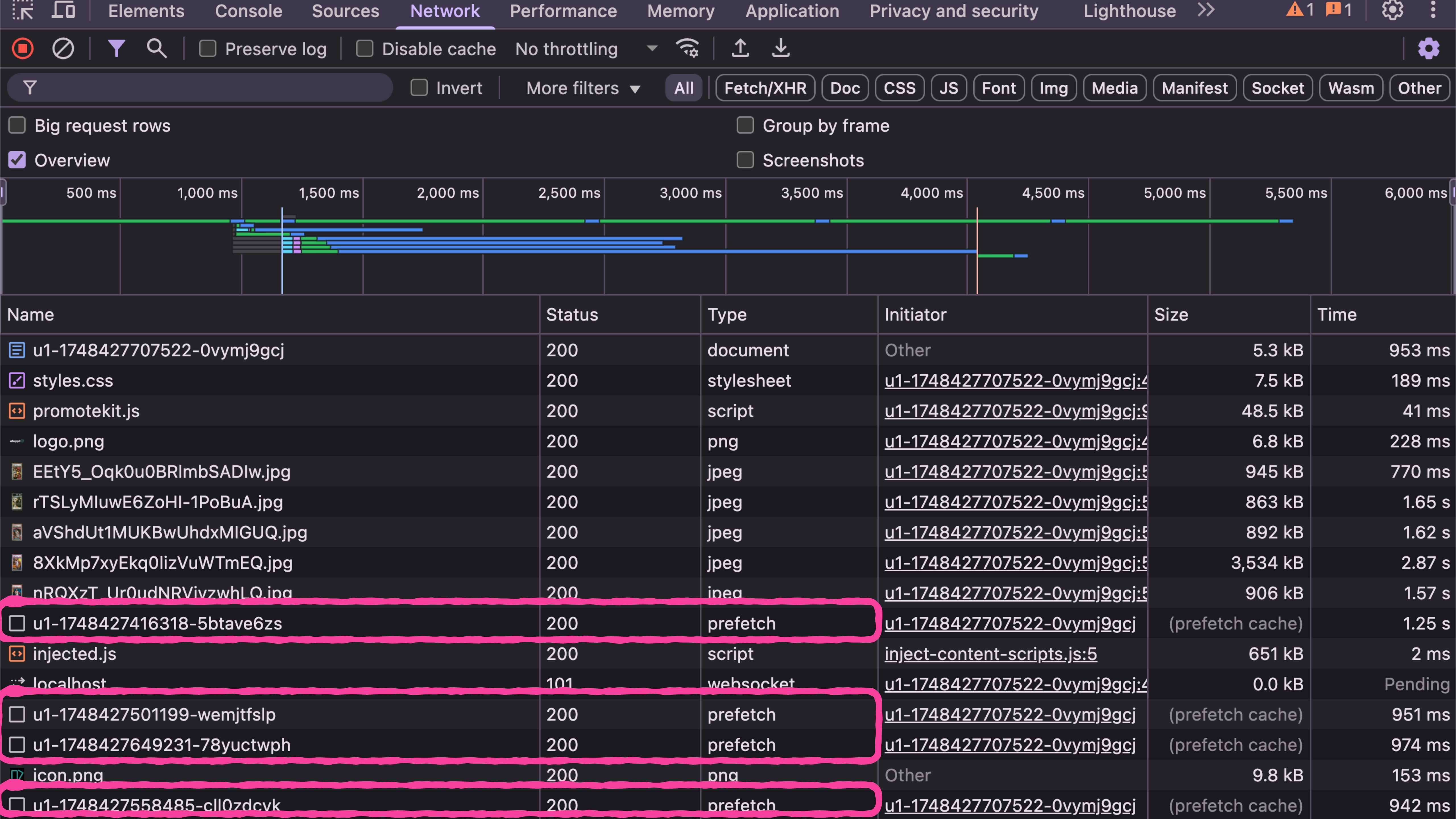


```
<script type=speculationrules>
{
  "prefetch": [
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "href_matches": "/*" },
          { "not": { "selector_matches": "[data-prefetch=false]" } }
        ]
      },
      "eagerness": "moderate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "selector_matches": "[data-prefetch='']"
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

Clear-Site-Data: prefetchCache, prerenderCache


```
<script type="speculationrules">
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "immediate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

```
<script type="speculationrules">
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "immediate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```

- Application
- Manifest
- Service wo...
- Storage
- Storage
- Local stora...
- Session st...
- Extension ...
- IndexedDB
- Cookies
- Private sta...
- Interest gr...
- Shared sto...
- Cache stor...
- Storage bu...
- Background ser...
- Back/forw...
- Backgroun...
- Backgroun...
- Bounce tra...
- Notifications
- Payment h...
- Periodic b...
- Speculativ...

Speculative loading status for this page

No speculative loads

The initiating page did not attempt to speculatively load this page's URL.

Speculations initiated by this page

11 not triggered 4 success

[View all speculation rules](#) • [View all speculations](#)

[Learn more: Speculative loading on developer.chrome.com](#)

Application

Manifest

Service wo...

Storage

Storage

Local stora...

Session st...

Extension ...

IndexedDB

Cookies

Private sta...

Interest gr...

Shared sto...

Cache stor...

Storage bu...

Background ser...

Back/forw...

Backgroun...

Backgroun...

Bounce tra...

Notifications

Payment h...

Periodic b...

Speculativ...

Rules

All speculative ...

URL	Action	Rule set	Status
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prefetch	u1-1748427707522-0v...	Ready
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prefetch	u1-1748427707522-0v...	Ready
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prefetch	u1-1748427707522-0v...	Ready
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prefetch	u1-1748427707522-0v...	Ready
/affiliates	Prerender	u1-1748427707522-0v...	Not triggered
/login	Prerender	u1-1748427707522-0v...	Not triggered
/	Prerender	u1-1748427707522-0v...	Not triggered
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prerender	u1-1748427707522-0v...	Not triggered
/resources	Prerender	u1-1748427707522-0v...	Not triggered
/#pricing	Prerender	u1-1748427707522-0v...	Not triggered
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prerender	u1-1748427707522-0v...	Not triggered
/register	Prerender	u1-1748427707522-0v...	Not triggered
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prerender	u1-1748427707522-0v...	Not triggered
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prerender	u1-1748427707522-0v...	Not triggered
/public/collections/dTEtMTc0ODQyNzczNTIzNTN...	Prerender	u1-1748427707522-0v...	Not triggered

No element selected

Select an element for more details



Angel Reese

2024 Panini Select WNBA Pink Ice #147

PSA 10

Year2024
Parallel/VarietyPink Ice
Card Number147

More in Women's Basketball

View All >



Elements

Console

Sources

Application

Application

Storage

Background...

URL	Action	Rule s...	Status
/public/collections/d...	Prefetch	u1-17...	Ready
/public/collections/d...	Prefetch	u1-17...	Ready
/public/collections/d...	Prefetch	u1-17...	Ready
/public/collections/d...	Prefetch	u1-17...	Ready
/resources	Prerender	u1-17...	Not triggered
/login	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/	Prerender	u1-17...	Not triggered
/affiliates	Prerender	u1-17...	Not triggered
/#pricing	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/register	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered

No element selected

Select an element for more details



Angel Reese

2024 Panini Select WNBA Pink Ice #147

PSA 10

Year2024
Parallel/VarietyPink Ice
Card Number147

More in Women's Basketball

View All



Application

Manif...
Servi...
Stora...

Storage

Local ...
Sessi...
Exten...
Index...
Cooki...
Privat...
Intere...
Share...
Cach...
Stora...

Backgroun...

Back/...
Back...
Back...
Boun...
Notifi...
Paym...
Perio...
Spec...

All speculative ...			
URL	Action	Rule s...	Status
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Ready
/resources	Prerender	u1-17...	Not triggered
/login	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/	Prerender	u1-17...	Not triggered
/affiliates	Prerender	u1-17...	Not triggered
/#pricing	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Ready
/register	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Failure - The old ...
/public/collections/d...	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Ready

No element selected
Select an element for more details



Angel Reese

2024 Panini Select WNBA Pink Ice #147

PSA 10

Year2024
Parallel/VarietyPink Ice
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More in Women's Basketball

View All



Elements

Console

Application

Application

Storage

Background...

URL	Action	Rule s...	Status
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Success
/public/collections/d...	Prefetch	u1-17...	Ready
/resources	Prerender	u1-17...	Not triggered
/login	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Not triggered
/	Prerender	u1-17...	Not triggered
/affiliates	Prerender	u1-17...	Not triggered
/#pricing	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Ready
/register	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Failure - The old ...
/public/collections/d...	Prerender	u1-17...	Not triggered
/public/collections/d...	Prerender	u1-17...	Ready

No element selected

Select an element for more details

prefetch

prerender

immediate/eager

50

10

moderate/conservative

2

2

ElementsConsoleSourcesNetworkPerformanceMemoryApplicationPrivacy and security>>

Preserve logDisable cacheNo throttling

Invert

More filters

All

Fetch/XHR

Doc

CSS

JS

Font

Img

Media

Manifest

Socket

Wasm

Other

Big request rows

Group by frame

Screenshots

Overview

5,000 ms

10,000 ms

15,000 ms

20,000 ms

25,000 ms

30,000 ms

35,000 ms

40,000 ms

45,000 ms

Name	Status	Type	Initiator	Size	Time
 u1-1748427707522-0vymj9gcj	200	document	Other	5.3 kB	1.02 s
 styles.css	200	stylesheet	u1-1748427707522-0vymj9gcj:4	7.5 kB	131 ms
 promotekit.js	200	script	u1-1748427707522-0vymj9gcj:9	48.3 kB	76 ms
 logo.png	200	png	u1-1748427707522-0vymj9gcj:4	6.8 kB	149 ms
 EEtY5_Oqk0u0BRlmbSADlw.jpg	200	jpeg	u1-1748427707522-0vymj9gcj:5	945 kB	1.82 s
 rTSLyMluwE6ZoHI-1PoBuA.jpg	200	jpeg	u1-1748427707522-0vymj9gcj:5	863 kB	1.32 s
 aVShdUt1MUKBwUhdxMIGUQ.jpg	200	jpeg	u1-1748427707522-0vymj9gcj:5	892 kB	1.33 s
 8XkMp7xyEkq0lizVuWTmEQ.jpg	200	jpeg	u1-1748427707522-0vymj9gcj:5	3,534 kB	2.81 s
 nRQXzT_Ur0udNRViyzwhLQ.jpg	200	jpeg	u1-1748427707522-0vymj9gcj:5	906 kB	1.38 s
 injected.js	200	script	inject-content-scripts.js:5	651 kB	2 ms
 localhost	101	websocket	u1-1748427707522-0vymj9gcj:4	0.0 kB	Pending
 icon.png	200	png	Other	9.8 kB	101 ms
☐ u1-1748427649231-78yuctwph	200	prefetch	u1-1748427707522-0vymj9gcj	(prefetch cache)	1.09 s
☐ u1-1748427558485-cll0zdcyk	200	prefetch	u1-1748427707522-0vymj9gcj	(prefetch cache)	889 ms
☐ u1-1748427501199-wemjtfslp	200	prefetch	u1-1748427707522-0vymj9gcj	(prefetch cache)	860 ms
☐ u1-1748427416318-5btave6zs	200	prefetch	u1-1748427707522-0vymj9gcj	(prefetch cache)	881 ms



Juju Watkins

2022 Bowman Chrome University Pink Refractor #43

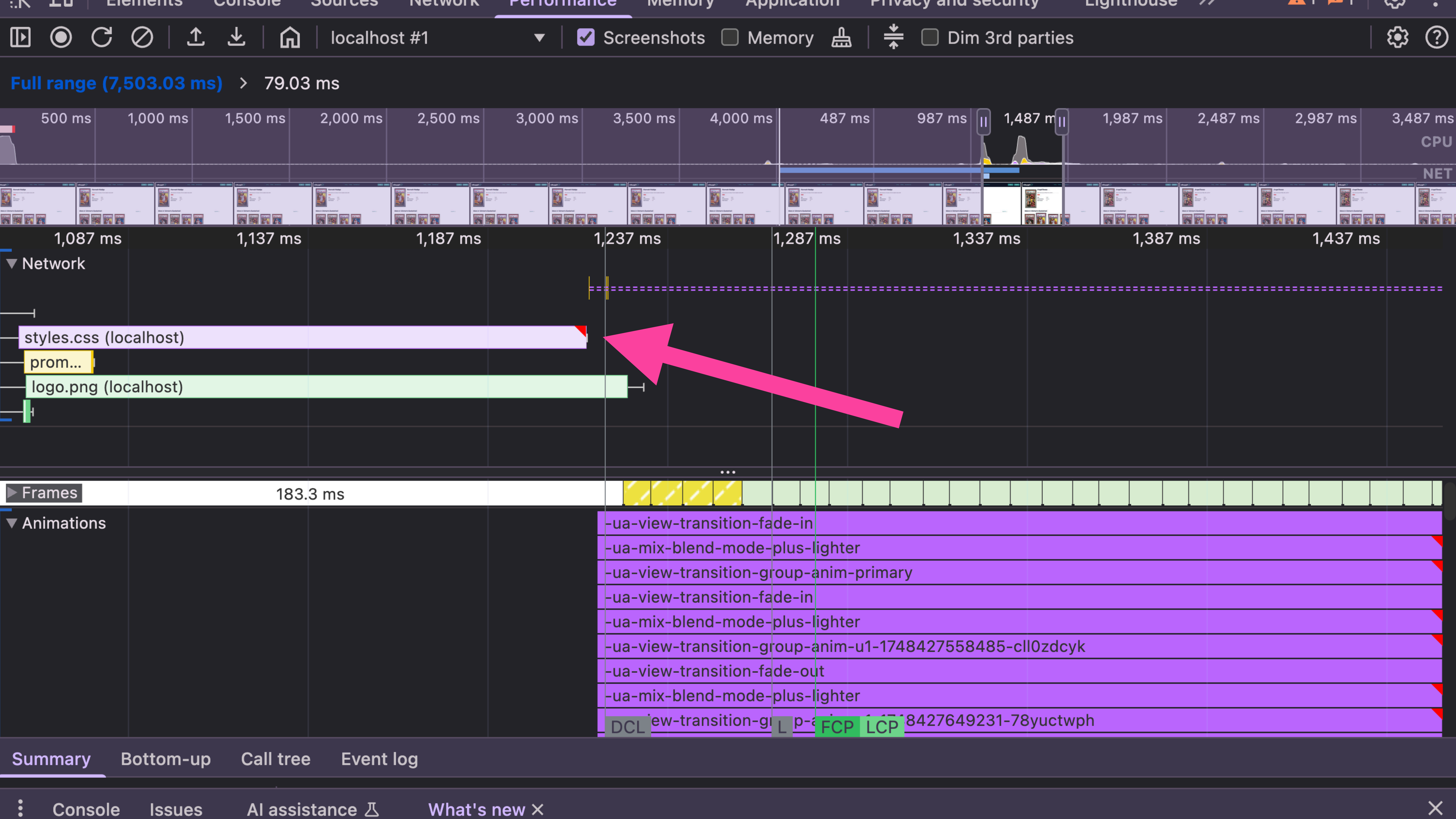
PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

More in Women's Basketball

View All >





**The fundamentals
still matter.**



Hannah Hidalgo

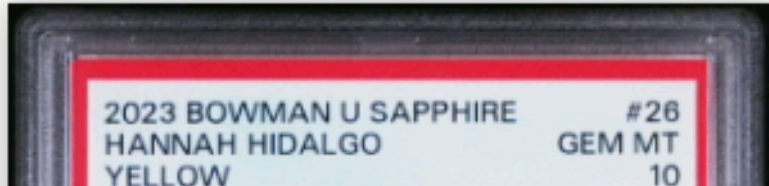
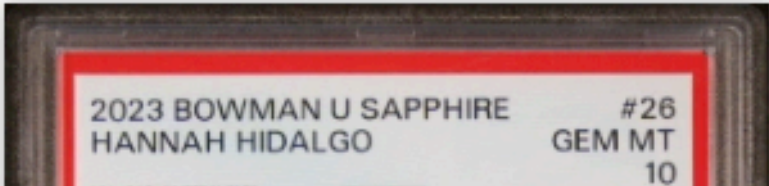
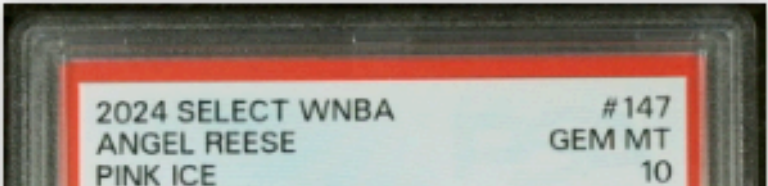
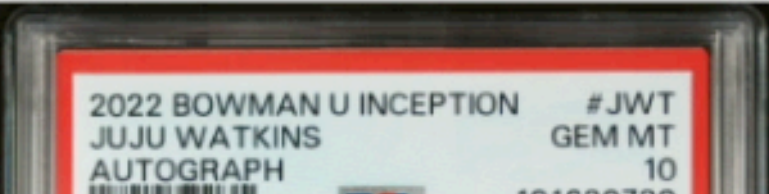
2023 Bowman Chrome University Purple Refractor /399 #26

PSA 9

Year	2023
Print Run	399
Card Number	26

More in Women's Basketball

[View All >](#)



ALL DELIVERY TYPES

CHANGE

NAVIGATIONAL PREFETCH

Largest Contentful Paint

2.38s

↓ 32%

Largest Contentful Paint

1.63s



Juju Watkins

2022 Bowman Chrome University Pink Refractor #43

PSA 8

Year	2022
Parallel/Variety	Pink Refractor
Card Number	43

More in Women's Basketball

View All >





Hannah Hidalgo

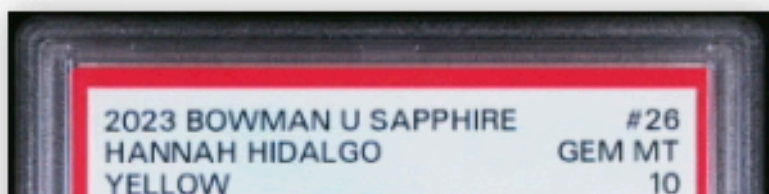
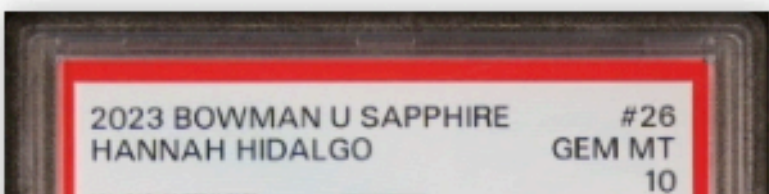
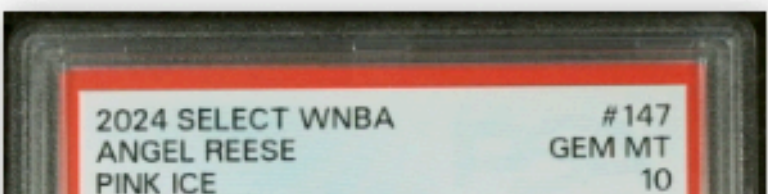
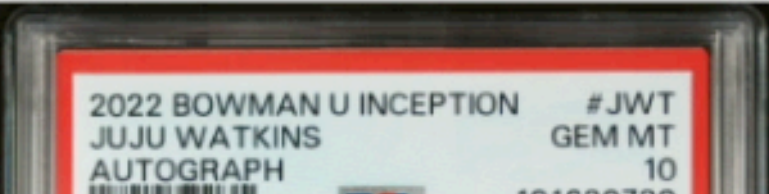
2023 Bowman Chrome University Purple Refractor /399 #26

PSA 9

Year	2023
Print Run	399
Card Number	26

More in Women's Basketball

[View All >](#)




```
@view-transition {  
  navigation: auto;  
}
```

```
<card-flip  
  style="  
    view-transition-name:  
    u1-1748427416318-5btave6zs"  
  ...  
>  
<img  
  style="  
    view-transition-name:  
    u1-1748427501199-wemjtfslp"  
  ...  
>
```

```
<script type="speculationrules">
{
  "prefetch": [
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "immediate"
    }
  ],
  "prerender": [
    {
      "where": {
        "selector_matches": "[data-prefetch=prerender]"
      },
      "eagerness": "immediate"
    },
    {
      "where": {
        "and": [
          { "selector_matches": "[data-prefetch='']" },
          { "not": {"href_matches": "/logout"}}
        ]
      },
      "eagerness": "moderate"
    }
  ]
}
</script>
```


HTML: 2

CSS: 3

JSON: 30

Transform




```
@keyframes spin-out {
  0% {
    opacity: 1;
    transform: rotate(0deg) scale(1);
  }
  100% {
    opacity: 0;
    transform: rotate(180deg) scale(0);
  }
}

@keyframes pop-in {
  0% {
    opacity: 0;
    transform: scale(0.5) rotate(-180deg);
  }
  100% {
    opacity: 1;
    transform: scale(1) rotate(0deg);
  }
}

/* Apply the animations to the view transition pseudo-elements */
::view-transition-old(vitaly) {
  animation: 300ms ease-out forwards spin-out;
}

::view-transition-new(vitaly) {
  animation: 500ms cubic-bezier(0.175, 0.885, 0.32, 1.275) forwards pop-in;
}
```

CSS: 10

Freakin'
awesome.

**Betting on the browser is
our best chance at
long-term success.**

**The best abstractions are
the ones that are willing
to fade away when they're
no longer necessary.**

**Good performance requires
a ruthless obsession for the
user experience.**

Let's get to work.

Thank you

Tim Kadlec

@tkadlec.bsky.social

[linkedin.com/in/tkadlec/](https://www.linkedin.com/in/tkadlec/)

