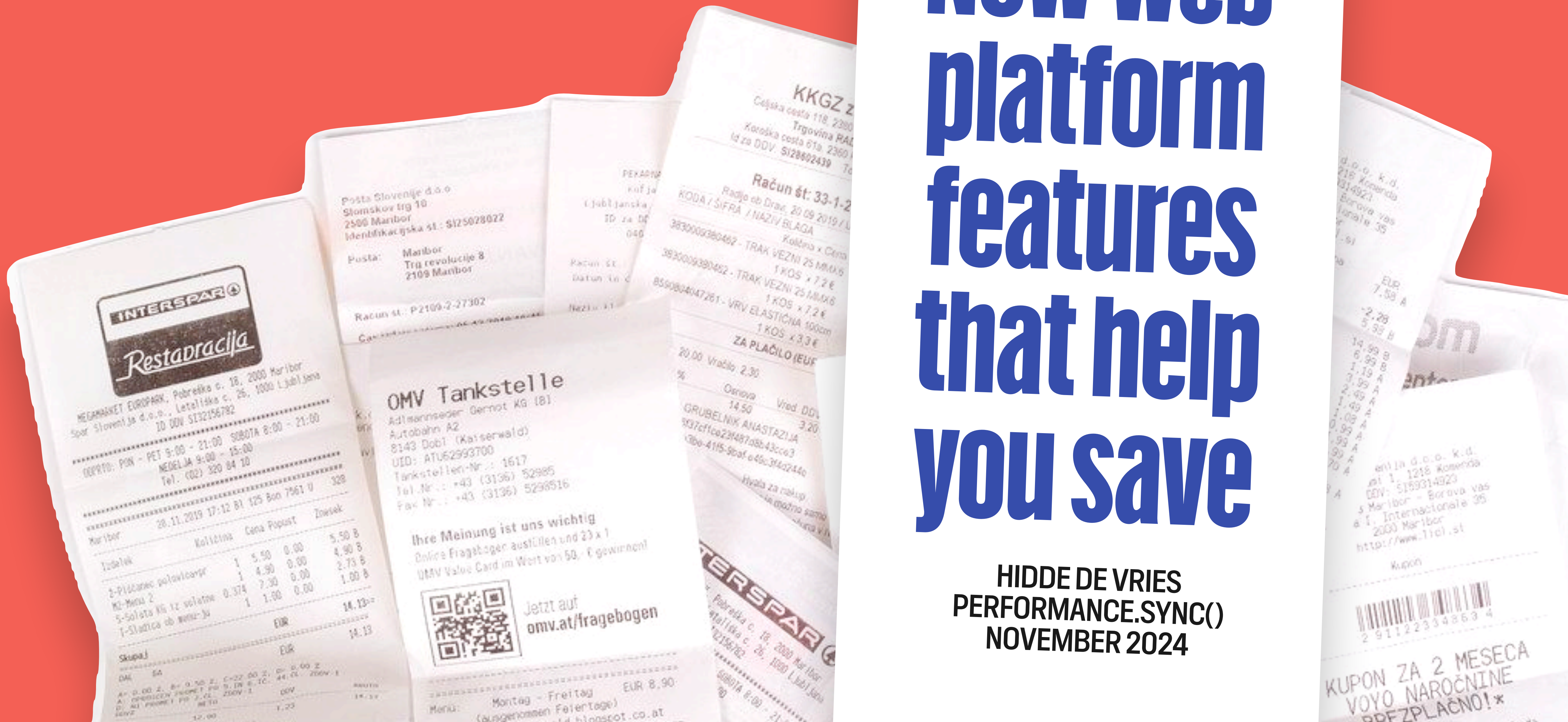
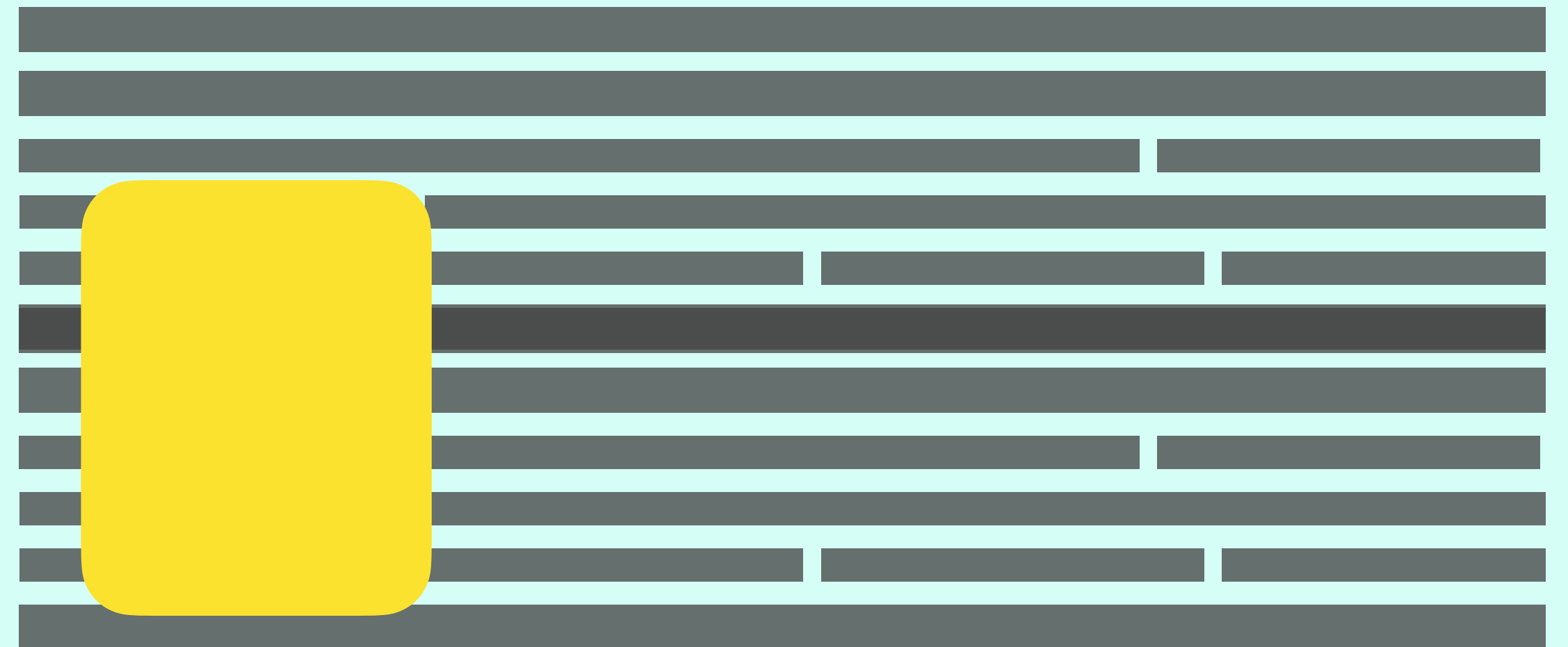
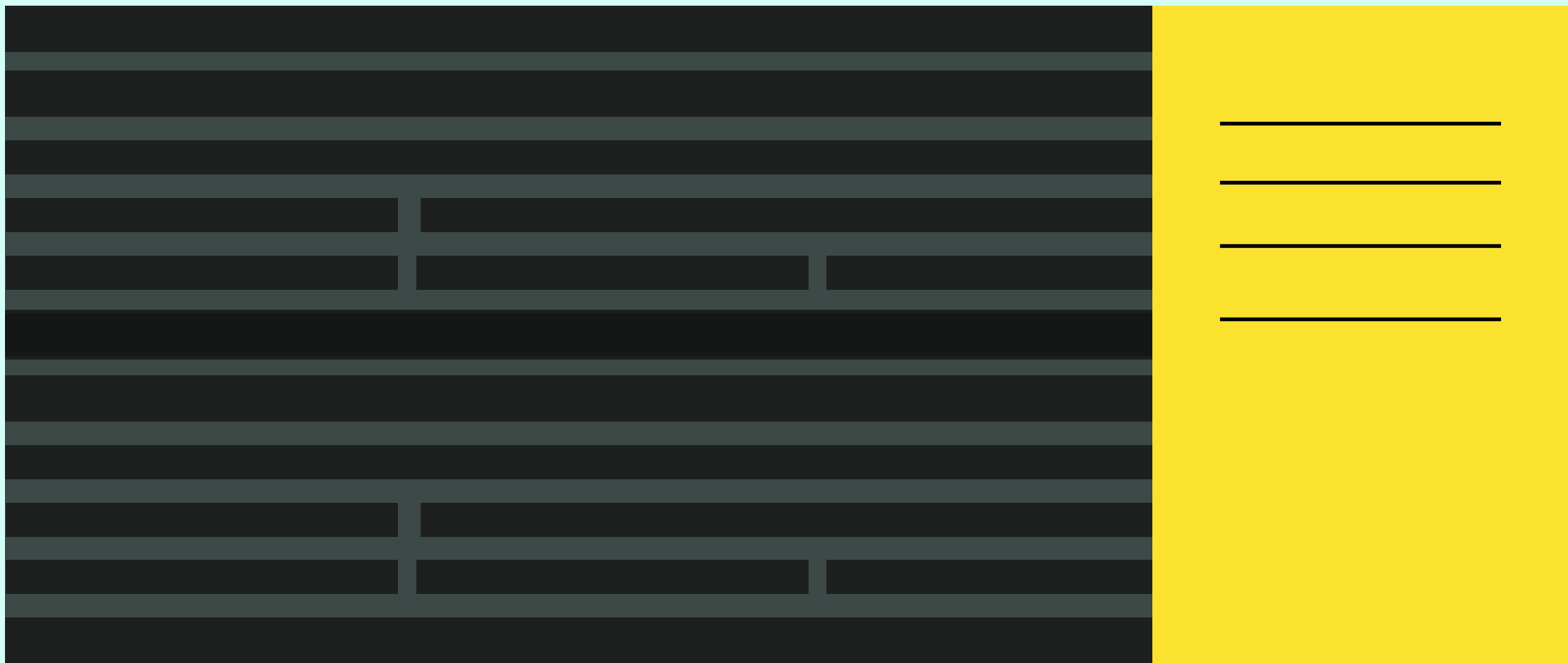
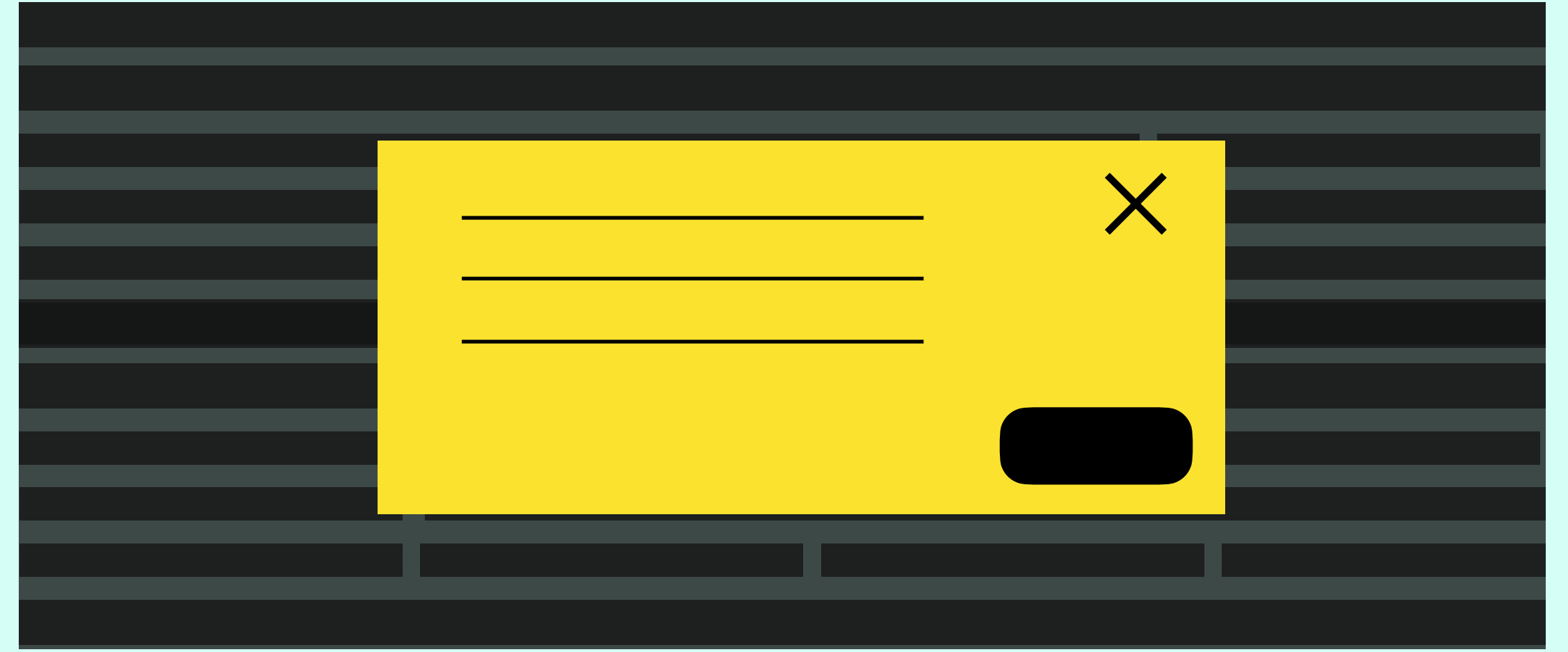
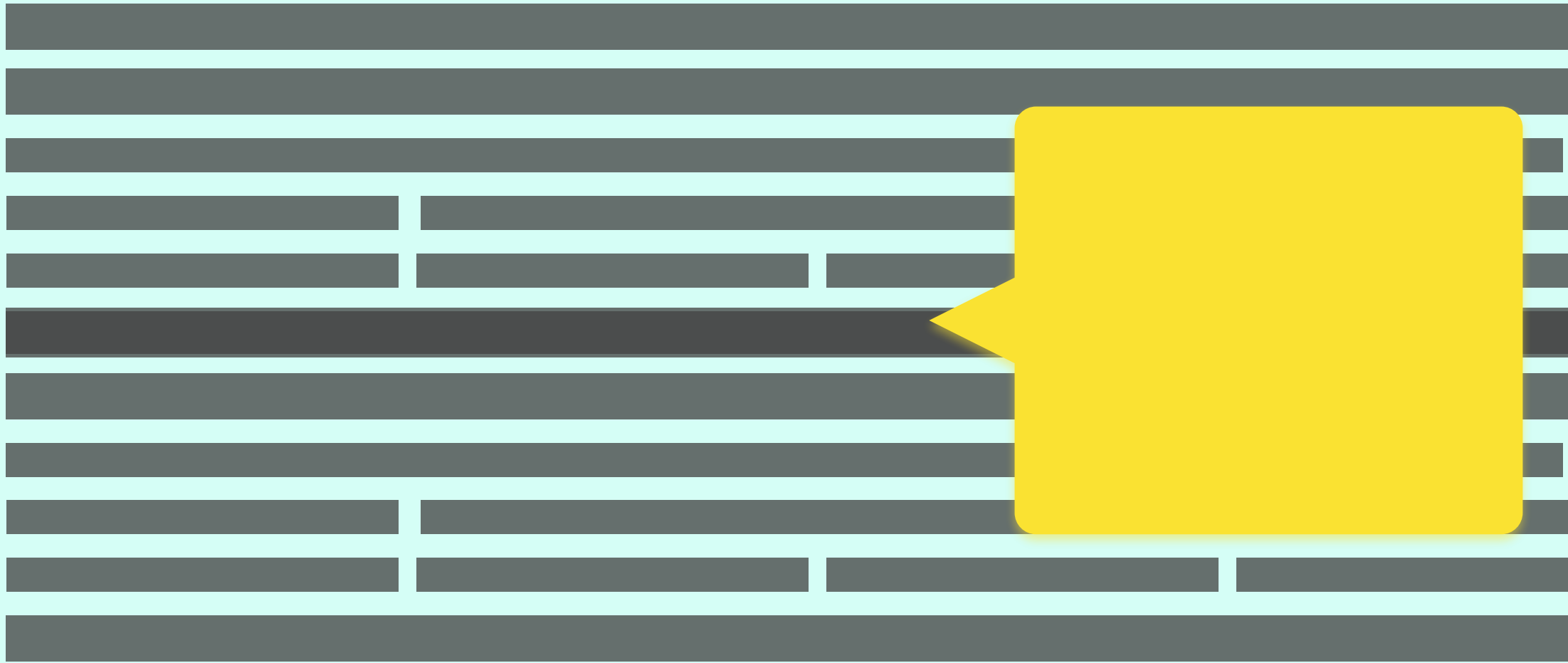


New web platform features that help you save

HIDDE DE VRIES
PERFORMANCE.SYNC()
NOVEMBER 2024





~ 43 kB

~ 53 kB

~ 89 kB

~ 54 kB

What's built into the browser,
is not in your bundle

At OpenUI, we're making it easier to style built-in components / controls



This could improve
user accessibility
user experience
developer experience

This could improve

user accessibility

user experience

developer experience

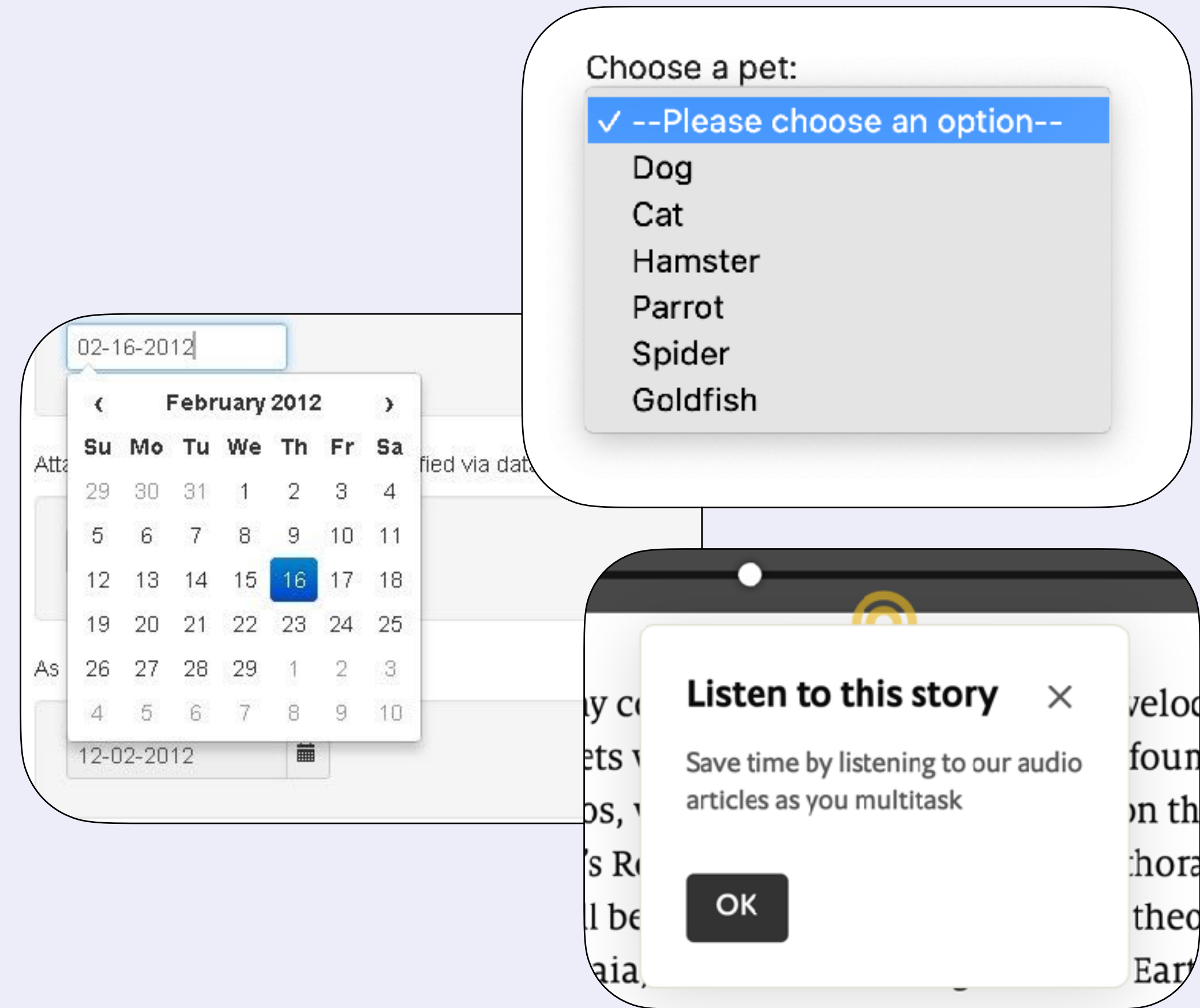
your bundle size?

popover

Floating piece of UI
with supplemental or
contextual content

“non-modal dialog”

“transient content”



html.spec.whatwg.org/dev/popover.html#the-popover-attribute

popover

Adds behaviour
to an element

```
<div popover>... </div>
```

popover

Adds **behaviour**
to any element

light dismiss

keyboard

auto-closure of other popovers

top layer presence

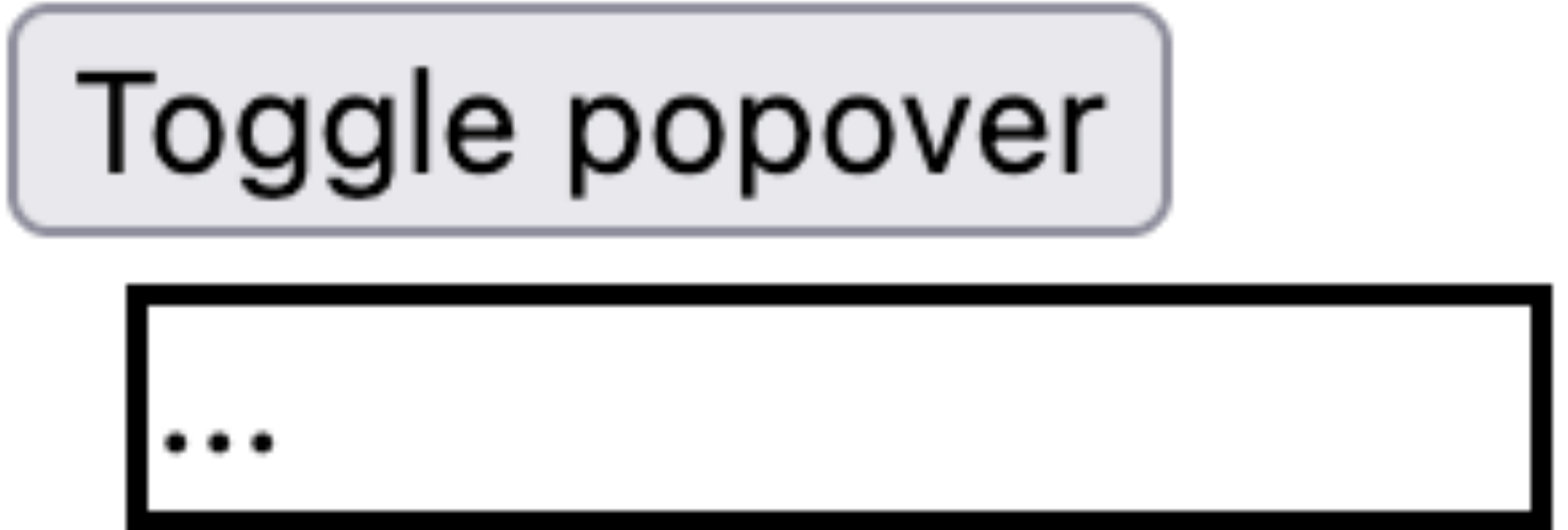
popover

Adds behaviour
to an element

```
<div popover>... </div>
```

popover

Adds behaviour
to an element



Toggle popover

...

```
<div popover>...  
</div>
```

```
<button>Toggle popover</  
button>
```

popover

Adds behaviour
to an element

Toggle popover

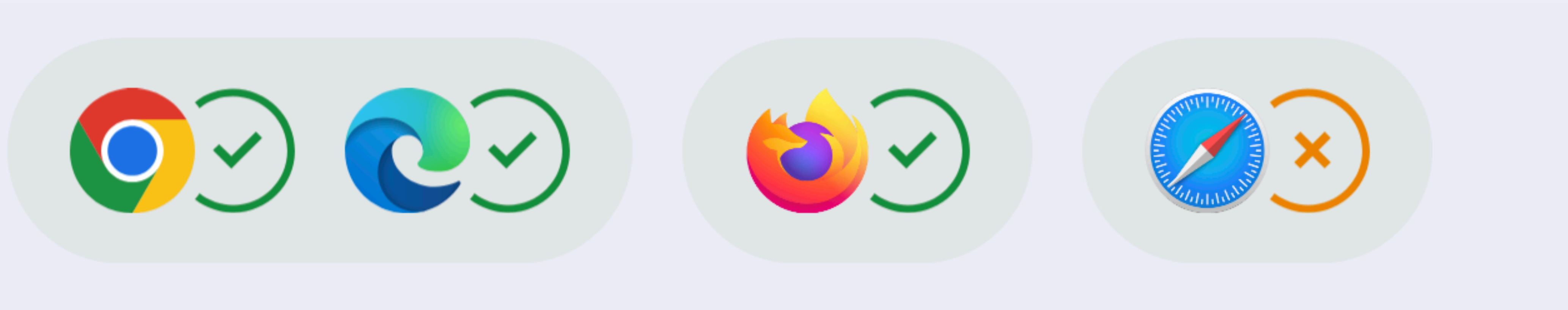
...

```
<div popover id=x>...  
</div>
```

```
<button popovertarget=x>  
Toggle popover</button>
```

popover support

“Partial support” (all, but there’s a bug in iOS)



How is this different from dialogs and overlays?

hidde.blog/dialog-modal-popover-differences

What accessibility is built into browsers for this?

hidde.blog/popover-accessibility

Which role to use popover with when?

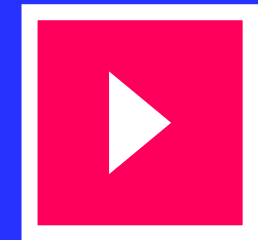
hidde.blog/popover-semantic

How to position them

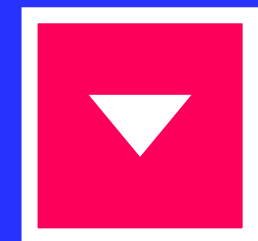
hidde.blog/positioning-anchored-popovers

What's built into the browser,
is not in your bundle

accordion



Tell the truth.



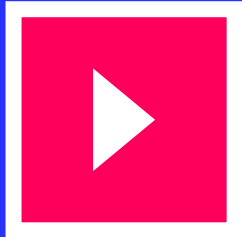
Act now

Governments must act now to halt biodiversity loss and reduce greenhouse gas emissions to net zero by 2025.

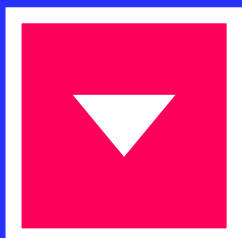


Go beyond politics

accordion



Tell the truth.



Act now

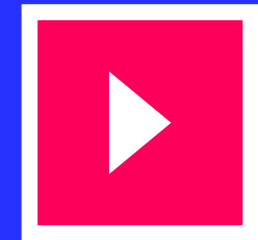
Governments must act now to halt biodiversity loss and reduce greenhouse gas emissions to net zero by 2025.



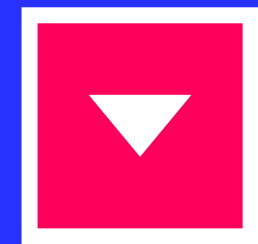
Go beyond politics

```
<details>
  <summary>Tell the truth</summary>
  ...
</details>
<details open>
  <summary>Act now</summary>
  ...
</details>
<details>
  <summary>Go beyond policy</summary>
  ...
</details>
```

exclusive accordion

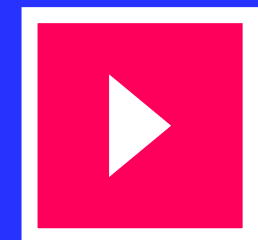


Tell the truth.



Act now

Governments must act now to halt biodiversity loss and reduce greenhouse gas emissions to net zero by 2025.

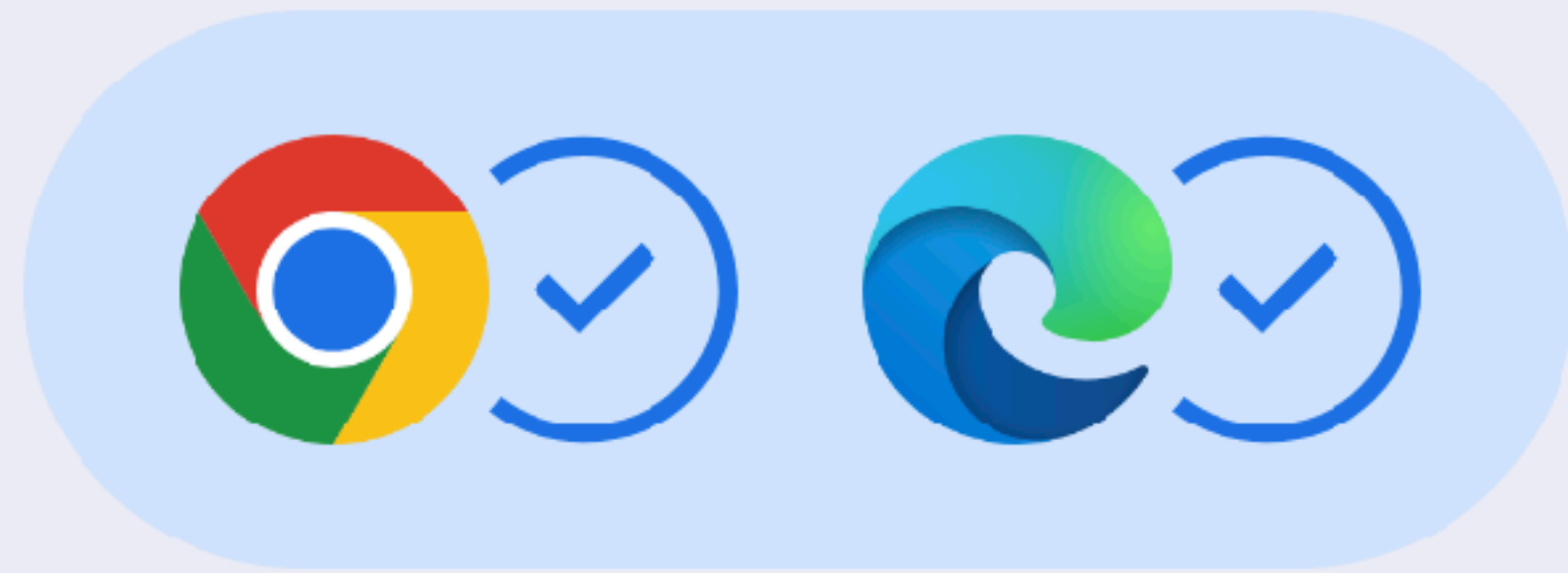


Go beyond politics

```
<details name="xr">
  <summary>Tell the truth</summary>
  ...
</details>
<details open name="xr">
  <summary>Act now</summary>
  ...
</details>
<details name="xr">
  <summary>Go beyond policy</summary>
  ...
</details>
```

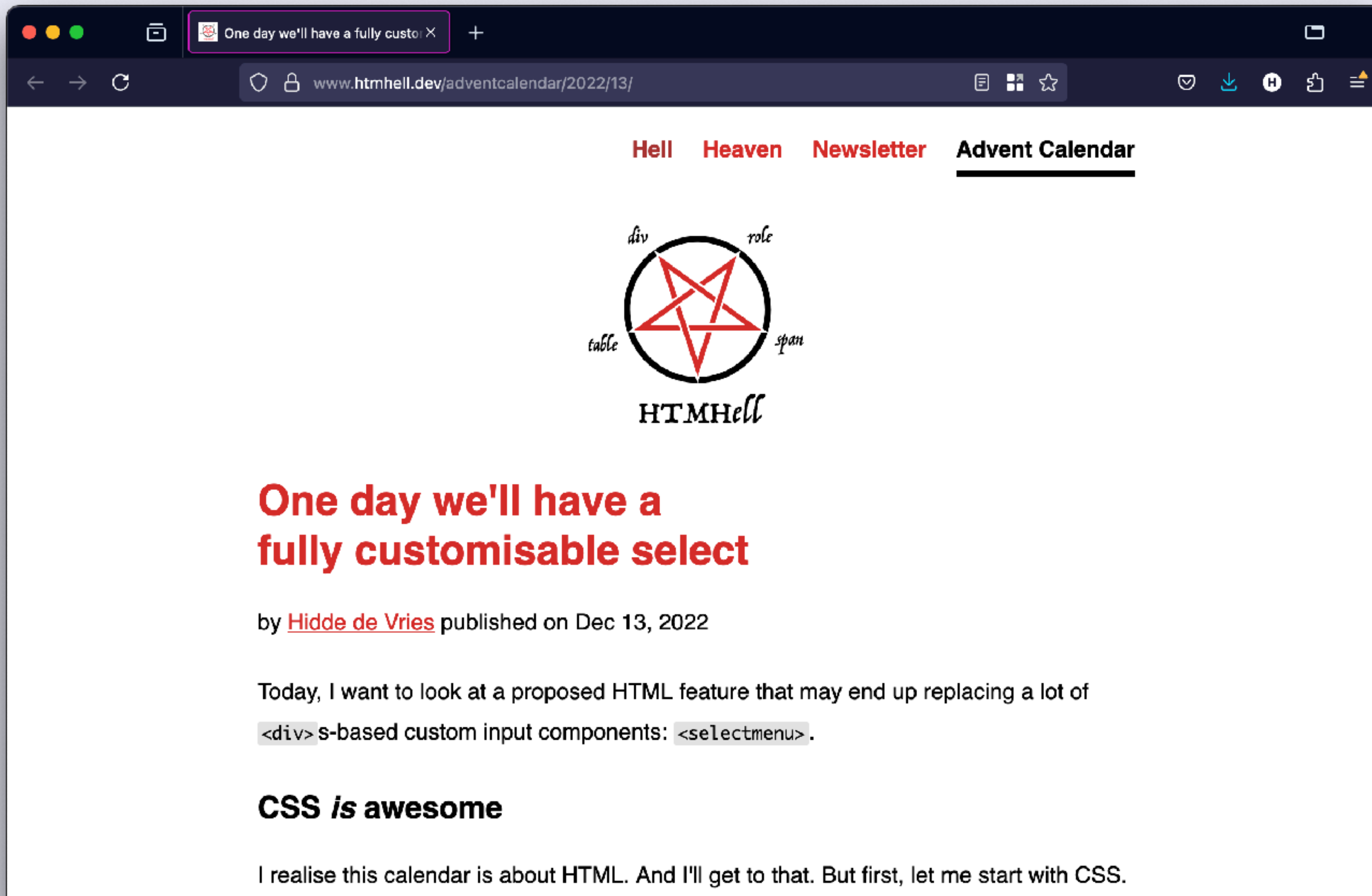
exclusive accordion support

“Newly available”



What's built into the browser,
is not in your bundle

customisable select



One day we'll have a fully customisable select

by [Hidde de Vries](#) published on Dec 13, 2022

Today, I want to look at a proposed HTML feature that may end up replacing a lot of `<div>`-based custom input components: `<selectmenu>`.

CSS is awesome

I realise this calendar is about HTML. And I'll get to that. But first, let me start with CSS.

customisable select

Make a choice 

open-ui.org/components/customizableselect

```
select,  
::picker(select) {  
  /* appearance: base-select; */  
}
```

```
<select aria-label="What do you...">  
  <option>Make a choice</option>  
  <option>Use tech longer</option>  
  <option>Avoid flights</option>  
  <option>Install solar</option>  
  <option>Buy local</option>  
</select>
```

CSS

HTML

customisable select

Make a choice ▼

```
select,  
::picker(select) {  
  appearance: base-select;  
}
```

```
<select aria-label="What do you...">  
  <option>Make a choice</option>  
  <option>Use tech longer</option>  
  <option>Avoid flights</option>  
  <option>Install solar</option>  
  <option>Buy local</option>  
</select>
```


customisable select

Make a choice ▼

✓ Make a choice

Use tech longer

Avoid flights

Install solar

```
select,  
::picker(select) {  
  appearance: base-select;  
}
```


```
<select aria-label="What do you...">  
  <option>Make a choice</option>  
  <option>Use tech longer</option>  
  <option>Avoid flights</option>  
  <option>Install solar</option>  
  <option>Buy local</option>  
</select>
```

customisable select

The screenshot shows a GitHub issue page in a dark-themed browser window. The browser's address bar shows the URL 'github.com/w3c/csswg-drafts/issues/10857'. The issue title is '[css-ui] UA stylesheet for appearance:base <select> #10857'. A green 'New issue' button is visible in the top right. Below the title, it says 'Open' and 'josepharhar opened this issue on Sep 9 · 17 comments'. The main content is a comment from 'josepharhar' (Member) dated 'Sep 9 - edited'. The comment text reads: 'I'd like to propose a UA stylesheet for <select> which applies when the <select> has size=1, no multiple attribute, and appearance:base. Based on the discussion here and the proof of concept in the chromium prototype I implemented, we can make these styles only apply when <select> has appearance:base. Styles from #10908 - the names were resolved, but not necessarily the properties:'. Below the text is a code block containing CSS code for styling the select arrow and checked options. The right sidebar contains metadata for the issue: Assignees (No one—assign yourself), Labels (css-ui-4, css-ui-5), Projects (None yet), Milestone (No milestone), Development (No branches or pull requests), and Notifications (Customize).

[css-ui] UA stylesheet for appearance:base <select> #10857 New issue

Open josepharhar opened this issue on Sep 9 · 17 comments

 **josepharhar** commented on Sep 9 · edited Member ...

I'd like to propose a UA stylesheet for `<select>` which applies when the `<select>` has `size=1`, no `multiple` attribute, and `appearance:base`.

Based on the discussion [here](#) and the proof of concept in the chromium prototype I implemented, we can make these styles only apply when `<select>` has `appearance:base`.

Styles from [#10908](#) - the names were resolved, but not necessarily the properties:

```
select option::check {
  content: '\2713' / '';
}
select option:not(:checked)::check {
  visibility: hidden;
}
select::select-arrow {
  padding-inline-start: 0.5em;
  display: block;
  content: counter(fake-counter-name, disclosure-open);
}
```

Assignees ⚙️
No one—[assign yourself](#)

Labels ⚙️
`css-ui-4` `css-ui-5`

Projects ⚙️
None yet

Milestone ⚙️
No milestone

Development
No branches or pull requests

Notifications Customize

customisable select

(examples from Una Kravets and others)

On

 Una Kravets

Color Space
rec2020




Draft

Merge Pull Request ↓

✓ **Create a merge commit**
All commits from this branch will be added to the base branch via a merge commit.

Squash and merge
The 1 commit from this branch will be added to the base branch.

Rebase and merge
The 1 commit from this branch will be rebased and added to the base branch.


 heart
 smile

one ↓

1-2 one two	3-4 three four
5-6 five	7-8 seven

customisable select support

Prototype in Chromium, with flag
“Experimental Web Platform Features”

(here be dragons)



What's built into the browser,
is not in your bundle

Slides + links are live on
hidde.blog/slides

Thank you!

Mastodon

[@hdv@front-end.social](https://front-end.social/@hdv)

Bluesky

hidde.blog