

# Wait, CSS can do that now?

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# CSS solutions for...

1. Responsive text
2. Scroll snap
3. Sticky elements
4. Masonry layout
5. Container queries

# Responsive text

Try it in your browser

CSS math functions min(), max() and clamp() [↗](#)

More advanced mathematical expressions in addition to `calc()`

IE	Edge	Firefox	Chrome	Safari	iOS Safari	Opera Mini	Chrome for Android	Android Browser	Samsung Internet
9	89	87	89	13.1	13.7			4.4	12.0
10	90	88	90	14	14.4			4.4.4	13.0
11	91	89	91	14.1	14.5	all	90	90	14.0
		90	92	TP					

✓ ✗ Partial Support

Global: 89.85% + 1.01% = 90.86%

Data from [caniuse.com](https://caniuse.com) | Embed from [caniuse.bitsofco.de](https://caniuse.bitsofco.de)

Disable accessible colours

# Scroll snap

Try it in your browser

## CSS Scroll Snap [↗](#)

CSS technique that allows customizable scrolling experiences like pagination of carousels by setting defined snap positions.

IE	Edge	Firefox	Chrome	Safari	iOS Safari	Opera Mini	Chrome for Android	Android Browser	Samsung Internet
9	89	87	89	13.1	13.7			4.4	12.0
10	90	88	90	14	14.4			4.4.4	13.0
11	91	89	91	14.1	14.5	all	90	90	14.0
		90	92	TP					

✓ ✗ Partial Support Prefixed

Global: 91.85% + 1.94% = 93.79%

Data from [caniuse.com](https://caniuse.com) | Embed from [caniuse.bitsofco.de](https://caniuse.bitsofco.de)

[Disable accessible colours](#)

# Sticky elements

Try it in your browser

CSS position:sticky [↗](#)

Keeps elements positioned as "fixed" or "relative" depending on how it appears in the viewport. As a result the element is "stuck" when necessary while scrolling.

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9	89	87	89	13.1	13.7			4.4	12.0
10	90	88	90	14	14.4			4.4.4	13.0
11	91	89	91	14.1	14.5	all	90	90	14.0
		90	92	TP					

✓ ✗ Partial Support

Global: 24.3% + 71.16% = 95.46%

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[Disable accessible colours](#)

# Masonry layout

Try it in your browser

This feature is only implemented in Firefox, and can be enabled by setting the flag `layout.css.grid-template-masonry-value.enabled` to `true`, in order to allow testing and providing of feedback.

# Container queries

Try it in your browser

This feature is only implemented in Chrome Canary, and can be enabled with the "Enable CSS Container Queries" feature flag under `chrome://flags`, in order to allow testing and providing of feedback.



*“ There is no one right way to do things.  
Context is everything. ”*

# Further reading and references

- Precise control over responsive typography
- `min()`, `max()`, and `clamp()`: three logical CSS functions to use today
- Responsive Type and Zoom
- Practical CSS Scroll Snapping
- Understanding positioning in CSS
- Scrolling box definition in CSSOM View Module
- Native CSS Masonry Layout In CSS Grid
- Container Query Proposal & Explainer

# Thank you :)



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