Our Stylish Future

By Chen Hui Jing / @hj_chen
CSS has come of age
Modern 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()`

<table>
<thead>
<tr>
<th>CSS Property</th>
<th>IE</th>
<th>Edge</th>
<th>Firefox</th>
<th>Chrome</th>
<th>Safari</th>
<th>iOS Safari</th>
<th>Opera Mini</th>
<th>Chrome for Android</th>
<th>Android Browser</th>
<th>Samsung Internet</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>min()</code></td>
<td>9</td>
<td>92</td>
<td>91</td>
<td>92</td>
<td>14</td>
<td>14.4</td>
<td>6.2</td>
<td>4.4</td>
<td>13.0</td>
<td></td>
</tr>
<tr>
<td><code>max()</code></td>
<td>10</td>
<td>93</td>
<td>92</td>
<td>93</td>
<td>14.1</td>
<td>14.8</td>
<td>6.2</td>
<td>4.4.4</td>
<td>14.0</td>
<td></td>
</tr>
<tr>
<td><code>clamp()</code></td>
<td>11</td>
<td>94</td>
<td>93</td>
<td>94</td>
<td>15</td>
<td>15</td>
<td>all</td>
<td>94</td>
<td>94</td>
<td>15.0</td>
</tr>
</tbody>
</table>

Data from caniuse.com | Embed from caniuse.bitsofcode.de

Global: 91.13% + 1.21% = 92.34%
## Scroll snap

Try it in your browser

<table>
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<th>CSS Scroll Snap</th>
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</tr>
<tr>
<td>Global: 93.14% + 1.6% = 94.74%</td>
<td>11</td>
<td>94</td>
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<td>15</td>
<td>all</td>
<td>94</td>
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https://huijing.github.io/slides/94-aea-2021

@hj_chen
# 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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Global: 90.1% + 5.86% = 95.96%

Data from caniuse.com | Embed from caniuse.bitsofco.de
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 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
- Failure of Success Criterion 1.4.4 due to incorrect use of viewport units to resize text
- 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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