

Novedades de CSS

Leslie Herrera

#Devday4w



¿Quién soy?



- Leslie Herrera
- Ing Comercial - Ing en Finanzas
- FrontEnd Developer
- Me gusta jugar overwatch, minecraft, nintendo lover, tener mi huerta en casita y el CSS



¿En qué estamos hoy?

- Sticky Positioning
- Aspect-Ratio
- Flexbox
- Grid
- Transforms

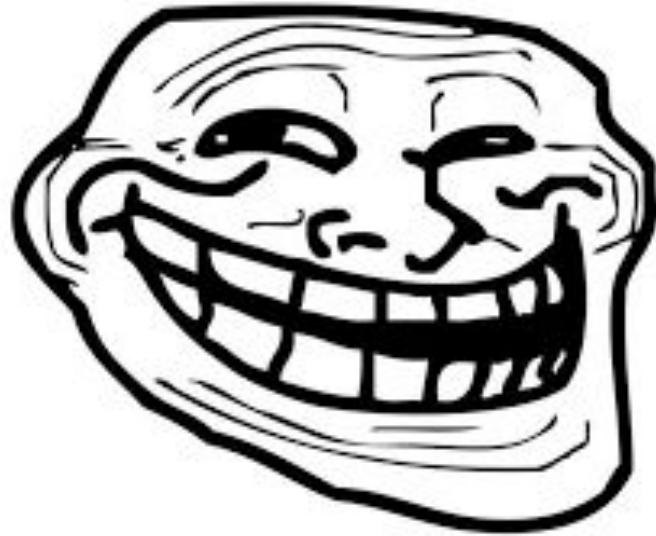


¿Qué se está trabajando?

- @layer
- @scope
- Subgrid
- Viewport Units
- Scrolling
- Typography
- Color spaces & Functions
- Containment
- Nesting

y más...

pero... qué pasa con la compatibilidad?



Interop ❤️



Interop



Active Focus Areas	Chrome Dev	Edge Dev	Firefox Nightly	Safari Technology Preview
INTEROP				
Border Image	99.6%	93.3%	99.5%	93.0%
Color Spaces and Functions	99.2%	94.9%	98.7%	93.9%
Container Queries	100%	89.6%	85.7%	81.1%
Containment	99.7%	97.1%	81.1%	79.3%
CSS Math Functions	97.8%	82.9%	76.8%	67.3%
CSS Pseudo-classes	92.8%	95.6%	92.9%	83.0%
Custom Properties	100%	4.8%	93.7%	4.8%
Flexbox	99.5%	96.9%	93.5%	92.6%
Font Feature Detection and Palettes	98.0%	100%	95.5%	93.9%
Forms	95.2%	93.9%	85.5%	80.0%
Grid	99.4%	88.2%	90.6%	82.5%
:has()	100%	24.5%	93.9%	24.5%
Inert	100%	100%	100%	100%
Masking	68.3%	94.7%	85.1%	62.6%
Media Queries 4	100%	97.9%	99.9%	97.9%
Modules	98.1%	92.0%	87.0%	85.7%
Motion Path	97.8%	91.2%	86.3%	82.9%
Offscreen Canvas	98.2%	96.4%	94.5%	93.7%
Pointer and Mouse Events	71.7%	86.2%	49.2%	35.4%
Scrolling	94.2%	93.6%	94.7%	87.7%
Subgrid	74.5%	84.9%	100%	59.4%
Transforms	98.0%	96.4%	97.6%	93.3%
URL	88.4%	88.0%	97.5%	85.4%
Web Codecs (video)	100%	1.3%	60.1%	1.3%
Web Compat 2023	76.2%	69.7%	97.7%	59.3%
Web Components	93.4%	96.5%	99.6%	91.3%
TOTAL	93.8%	82.7%	89.8%	73.5%

Interop 2023 Dashboard

STABLE

EXPERIMENTAL

73

INTEROP

30

INVESTIGATIONS

93



Chrome
Dev

82



Edge
Dev

89



FIREFOX
NIGHTLY



Safari
Technology Preview



Baseline



Mariko Kosaka
@kosamari

Interop is focused on aligning browsers on features to implement.
Baseline is focused on creating a consistent language for the set of
features that have recently become widely available in all browsers.
So interop is forward looking, and Baseline is looking at what's been
done.

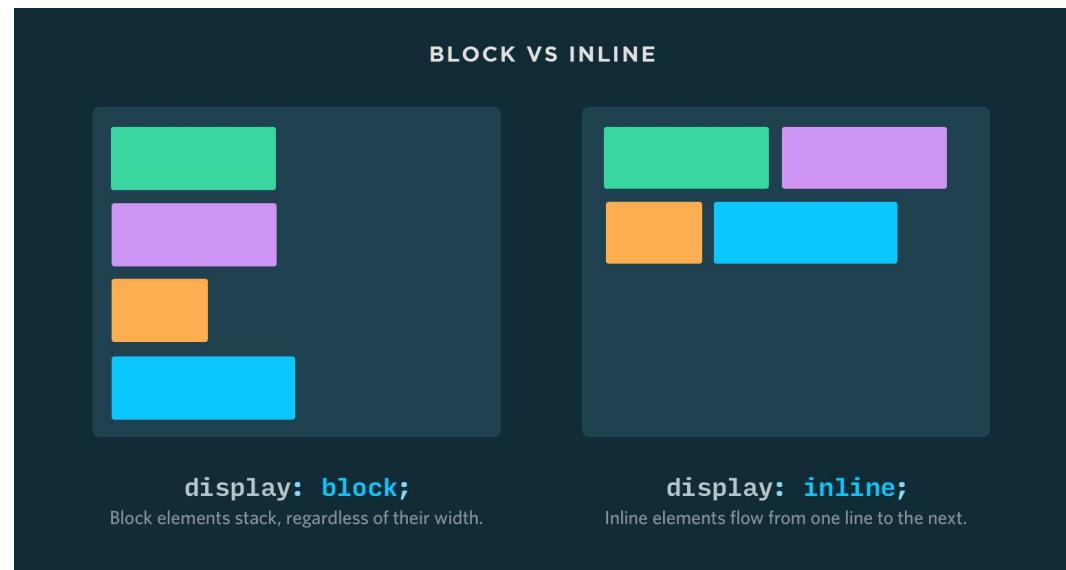
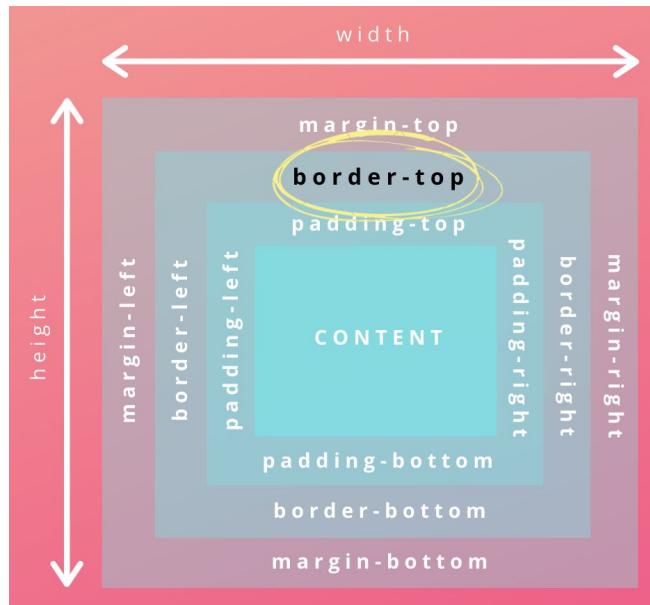
[Traducir](#) [Tweet](#)

10:11 p. m. · 10 may. 2023 · 564 Reproducciones

<https://web.dev/introducing-baseline/>

CSS Logical Properties

Propiedades físicas y propiedades lógicas



CSS Logical Properties

Propiedades físicas y propiedades lógicas

The screenshot shows the CodePen interface with the following components:

- HTML** tab: Contains the body element with a class of "border-block".
- CSS** tab: Contains the CSS code for the border-block class and the body element.
- Result** tab: Displays the visual output of the CSS rules.
- CODEPEN** button: Located in the top right corner.

CSS Code:

```
.border-block {
  border-block: 8px solid blue;
}

.border-inline {
  border-inline: 8px solid blue;
}

body {
  display: flex;
  gap: 24px;
  justify-content: space-evenly;
  align-items: center;
  height: 100vh;
  flex-wrap: wrap;
  font-family: system-ui;
  background-color: rgb(220, 230, 240);
  height: 100vh;
}
```

Result:

The result shows two horizontal blue bars representing the border-block property and two vertical blue bars representing the border-inline property.

قتلى وجرحى في غارات أمريكية على قوات "موالية لإيران" في العراق وسوريا

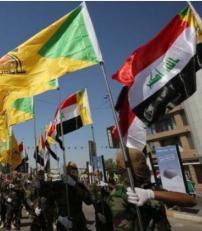
قوات الحشد الشعبي تعلن سقوط قتلى وجرحى في صفوفها من جراء الغارات الجوية الأمريكية، والمحتجز باسم القائد العام للقوات المسلحة العراقية بول إن بيلدست ينفي المسؤولية عن المجزرة التي قال لها "اللهفة للنهاية".

قبل 4 ساعة

الحدث الشهيء: واشنطن ت徼ق رئيشه

ال العراقيون بين قلبي مكملة الحرب الخفية بين الولايات المتحدة وإيران

هل يضم صراع التقوى داخل إيران مصير الأفق النوري؟



歌劇の街の
華やかなきもの

- 花のみ
- こみの
- お問い合わせ
- 催事場・ギャラリー
- レンタル
- 着付け教室
- クリーニング・メンテナンス
- ごあいさつ

店舗案内 | アクセス | 採用情報



詳しく見る ▼

昭和五年（1930年）創業、宝塚とともに歩んできた呉服店です。“歌劇の街”にふさわしい色、柄を取り揃えております。きものや帯合せのコーディネートをどうぞお気軽にご相談下さい。姫衿の伝統と若い感性で、あなたのまののセンスアップのお手伝いをさせていただきたいのです。ぜひ、ご来店下さいませ。心よりお待ちいたしております。

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台灣 TAI WAN 淘寶先運費

港澳 HONG KONG 香港澳門先運費

YAHOO! JAPAN ログイン

レシピ名で検索

大雨により警戒レベルが高まっている域があります

北陸道 土砂災害

お住まいの地域の防災情報を受け取ります

地域を設定する

千代田区 变更する

29.21 85.6% 今日 昨日 27.9°C 明日 雨雲レーダー

メール ショッピング ヤフオク! 路線情報

すべて ニュース 新型コロナ クーポン

首相 五輪に向け水際対策を指示

香港年金特享 港股急跌 购买满199元减100元

国民年金 免除・猶予者が最多

Flow relative margin

- ① Toggle the writing mode to see how `margin-top` and `margin-block-start` respond. The blue part in each box shows the margin.

Toggle writing mode

I have `margin-top`.

I have `margin-block-start`.



THIS IS FINE.

CSS Logical Properties

Pasando de las propiedades físicas a las lógicas



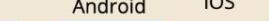
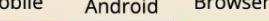
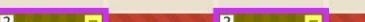
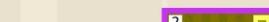
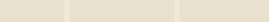
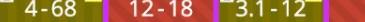
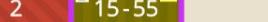
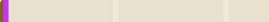
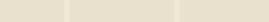
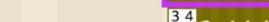
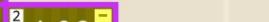
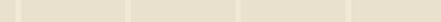
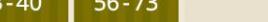
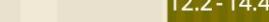
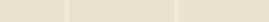
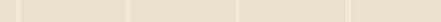
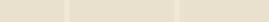
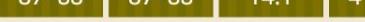
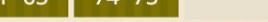
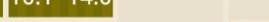
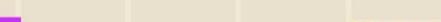
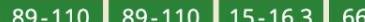
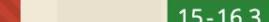
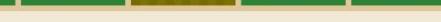
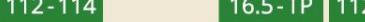
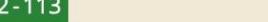
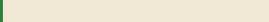
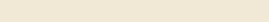
Physical property	Logical property
margin-top	margin-block-start
margin-bottom	margin-block-end
margin-left	margin-inline-start
margin-right	margin-inline-end

Physical property	Logical property
top	inset-block-start
bottom	inset-block-end
left	inset-inline-start
right	inset-inline-end
top and bottom	inset-block
left and right	inset-inline

CSS Logical Properties - WD

Logical properties and values provide control of layout through logical, rather than physical, direction and dimension mappings. These properties are writing-mode relative equivalents of their corresponding physical properties.

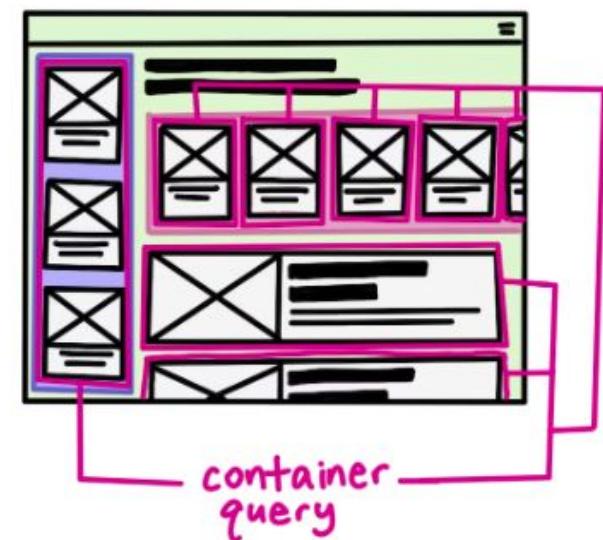
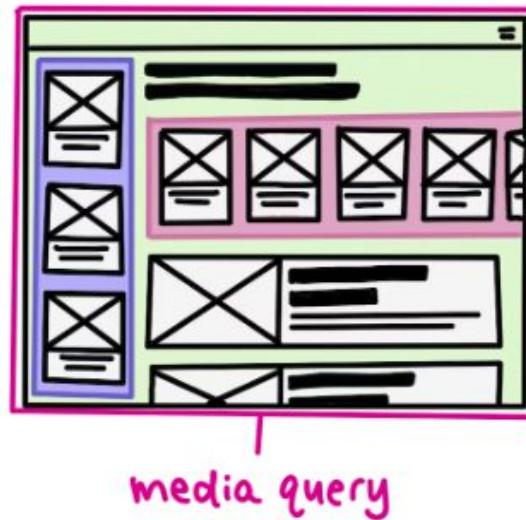
Usage	% of all users	?
Global	90.79% + 6.71% = 97.51%	
unprefixed:	90.79% + 3.63% = 94.42%	

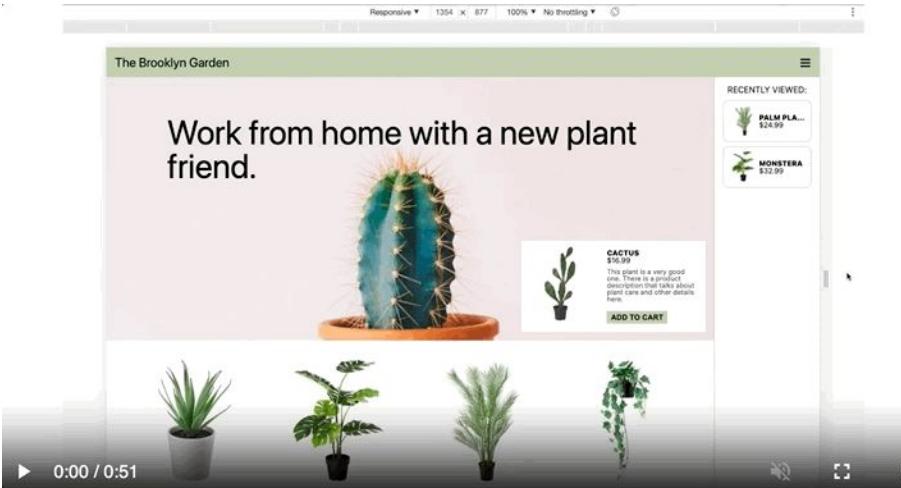
Current aligned	Usage relative	Date relative	Filtered	All		
Chrome	Edge	*	Safari	Firefox	Opera	IE
						
 2 4-68	 12-18	 2 3.1-12	 2 15-55	 10-12.1		
 3 4 69-86	 3 4 79-86	 3 4 12.1-14	 1 3-40	 3 4 56-73		
 4 87-88	 4 87-88	 4 6 14.1	 3 4 41-65	 4 74-75		
 89-110	 89-110	 15-16.3	 66-110	 76-94	 6-10	
 111	 111	 16.4	 111	 95	 11	
 112-114		 16.5-TP	 112-113			
						
 111	 16.4	 20	 all	 73	 13.4	
 16.5				 111	 110	
 13.1				 13.18	 3.1	
 3 4 2.5				 3.1		

Container Queries

```
@container (width > 400px) {  
  h2 {  
    font-size: 1.5em;  
  }  
}
```

Container Query vs Media Query





Container Queries coffee

jec.fyi/demo/css-cq-coffee

Elements

```

<style>...</style>
<main> <grid>
  ... <article class="card" style="container-type: inline-size; padding-bottom: 0.83em;">
    <div class="coffee"></div>
  </article>
</style>...
</main>

```

html body.dark-mode main article.card

Computed Styles Layout Event Listeners

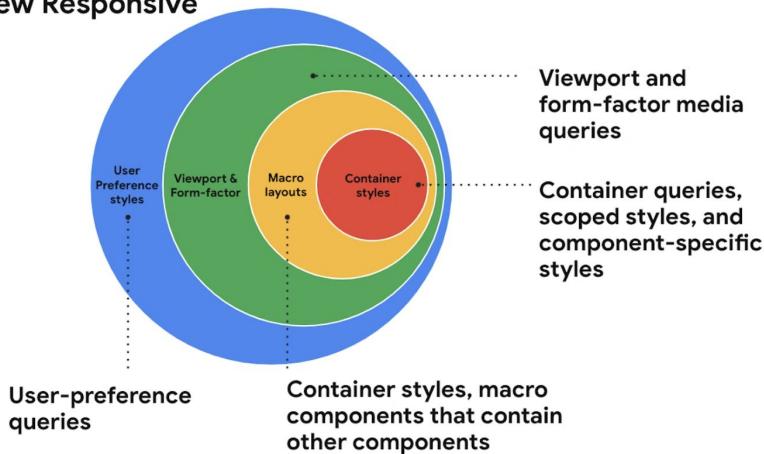
Filter :hov .cls +

```

.card {
  resize: horizontal;
  overflow: auto;
  min-width: 300px;
  max-width: 900px;
  container-type: inline-size;
  padding-bottom: 0.83em;
}

```

The New Responsive



<https://web.dev/new-responsive/>

CSS Container Queries (Size) - WD

Usage

% of all users

2

$$82.4\% + 0.23\% = 82.63\%$$

Size queries in Container Queries provide a way to query the size of a container, and conditionally apply CSS to the content of that container.

Current aligned Usage relative Date relative Filtered All

Style Queries (no soportado pero bello)

```
@container style(--sunny: true) {  
  .weather-card {  
    background: linear-gradient(-30deg, yellow, orange);  
  }  
  
  .weather-card:after {  
    content: url(<data-uri-for-demo-brevity>);  
    background: gold;  
  }  
}
```



CSS Container Style Queries

Style queries in Container Queries provide a way to query the current styling of a container, and conditionally apply additional CSS to the contents of that container.



Usage

% of all users

$$0\% + 42.66\% = 42.66\%$$

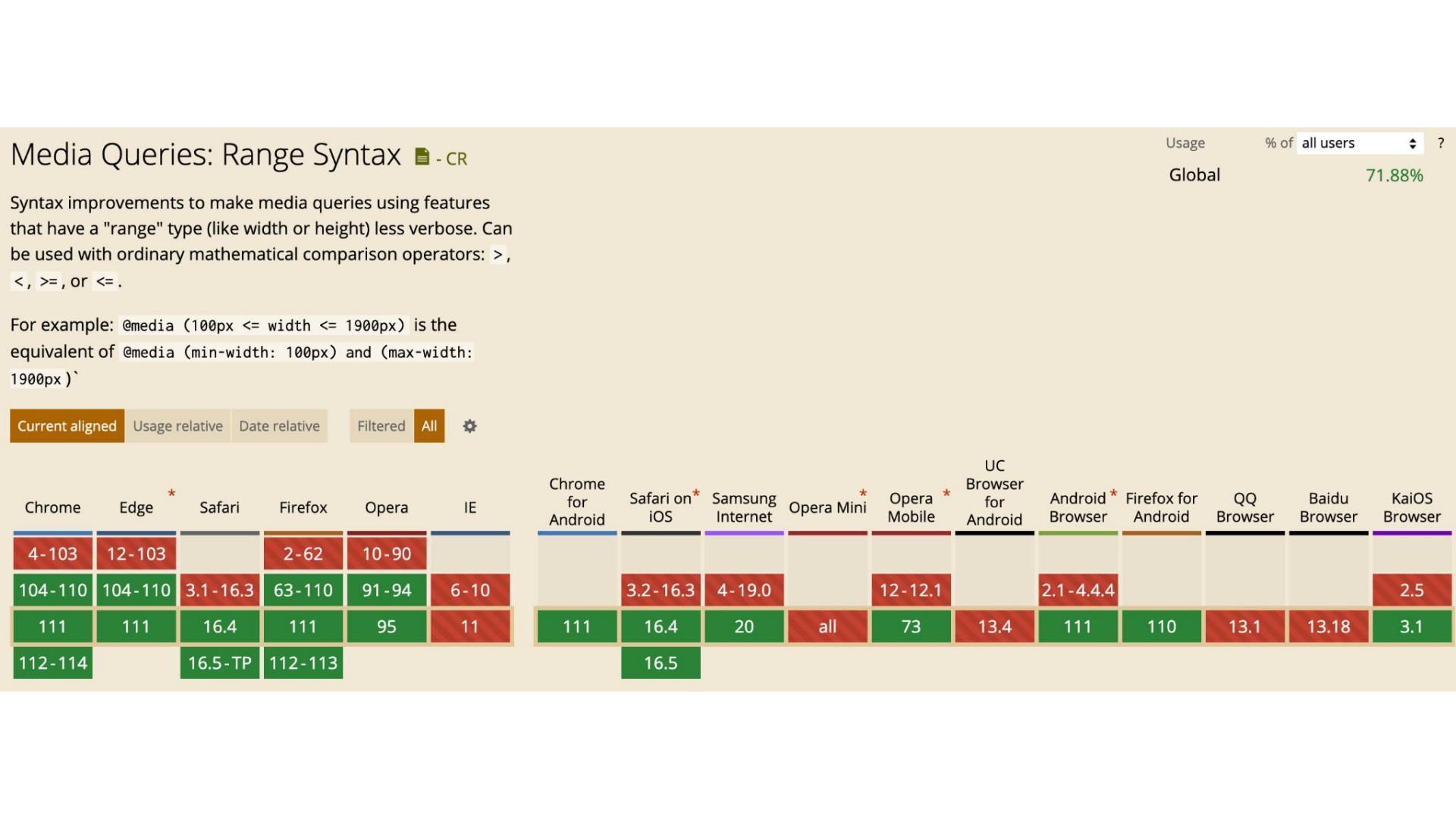
Media Queries: Range Syntax

```
/* When the viewport width is at least 30em... */
@media screen and (min-width: 30em) {
    .element {
        /* Style away! */
    }
}
```

- < menor que
- > mayor que
- = es igual a
- <= menor o igual
- >= mayor o igual

```
@media (width >= 600px) {
    .element {
        /* Style away! */
    }
}
```





Cascade layers - @layers

* CSS

```
1 @layer base, special , highest-priority-last;  
2  
3 body {  
4     background: black;  
5     color: white;  
6 }  
7  
8 @layer special {  
9     p {  
10         color: lime;  
11     }  
12 }  
13  
14 @layer base {  
15     p {  
16         color: red;  
17     }  
18 }
```

/ HTML

This is a paragraph.

```
1 <p>This is a paragraph.</p>
```

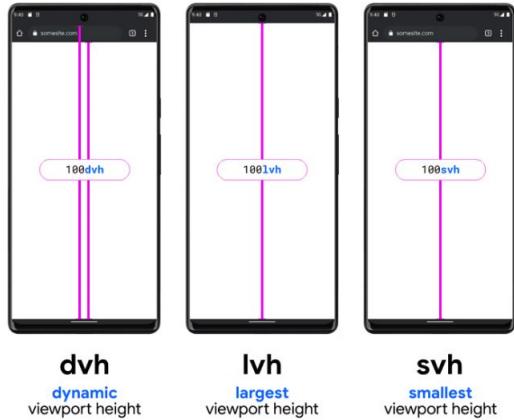


CSS Cascade Layers - CR

The `@layer` at-rule allows authors to explicitly layer their styles in the cascade, before specificity and order of appearance are considered.

Usage % of all users ▾ ?

ViewPort Units



Small viewport

A screenshot of a mobile browser showing the website for 'Dev Day 4 Women'. The URL 'devday4w.com' is at the top. The main content area features a dark blue header with the 'Dev Day 4 Women' logo and a menu icon. Below the header, the text 'APRENDIZAJE PARA DESARROLLADORAS' is displayed in large white letters. A paragraph of text follows. At the bottom, there is a navigation bar with arrows, a plus sign, a notification icon (11), and a three-dot menu icon.

Dev Day 4 Women esta dirigido a mujeres involucradas en el desarrollo de software.

Nuestro propósito es desarrollar una comunidad tecnológica donde las mujeres puedan aprender, inspirarse, conectarse y alejarse mutuamente para continuar sus carreras STEM, a través de conferencias técnicas, pláticas sobre desarrollo profesional, experiencias de mujeres en la industria y actividades de networking.

A lo largo de nueve años DD4W se ha convertido en la conferencia líder para mujeres en Latinoamérica. Cada año tenemos dos ediciones y la primera edición del año se realizará el 17 y 18 de mayo 2023.

Large viewport

A screenshot of a mobile browser showing the website for 'Dev Day 4 Women'. The URL 'devday4w.com' is at the top. The main content area features a dark blue header with the 'DEV DAY 4 Women' logo and a menu icon. Below the header, the text 'APRENDIZAJE PARA DESARROLLADORAS' is displayed in large white letters. A paragraph of text follows. At the bottom, there is a large blue box with the word 'Noticias' in white.

Dev Day 4 Women esta dirigido a mujeres involucradas en el desarrollo de software.

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Noticias

Small, Large, and Dynamic viewport units - WD

Usage % of all users ?

Viewport units similar to `vw` and `vh` that are based on shown or hidden browser UI states to address shortcomings of the original units. Currently defined as the `sv*` units (`svb`, `svh`, `svi`, `svmax`, `svmin`, `svw`), `lv*` units (`lvb`, `lvh`, `lvi`, `lvmax`, `lvmin`, `lvw`), `dv*` units (`dvb`, `dvh`, `dvi`, `dvmx`, `dvmn`, `dvw`) and the logical `vi` / `vb` units.



**SO YOU THINK
FRONT-END IS EASY?**

**HERE ARE A COUPLE OF DEVICES
TO TEST YOUR WORK ON**

DEJALO YA ESTA MUERTO

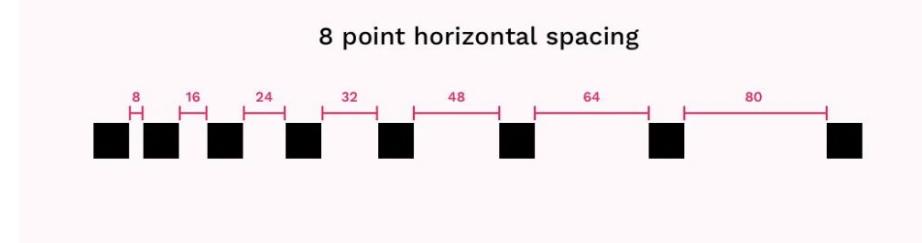




Aprender a conversar

Preguntale a tu diseñador:

- ¿Qué sistema de diseño está usando?
- ¿Qué metodología de espaciado eligió para el producto?



Guía: <https://medium.com/swlh/the-comprehensive-8pt-grid-guide-aa16ff402179>

Recursos



- <https://css-tricks.com/>
- <https://web.dev/state-of-css-2022/>
- <https://css-weekly.com/>
- <https://moderncss.dev/>
- <https://frontendfoc.us/>
- <https://web.dev/state-of-css-2022/>
- <https://cssday.nl/2023> → Este año online
- <https://lenguajecss.com/>

Y.... ¿Qué pasa con los correos/email ?

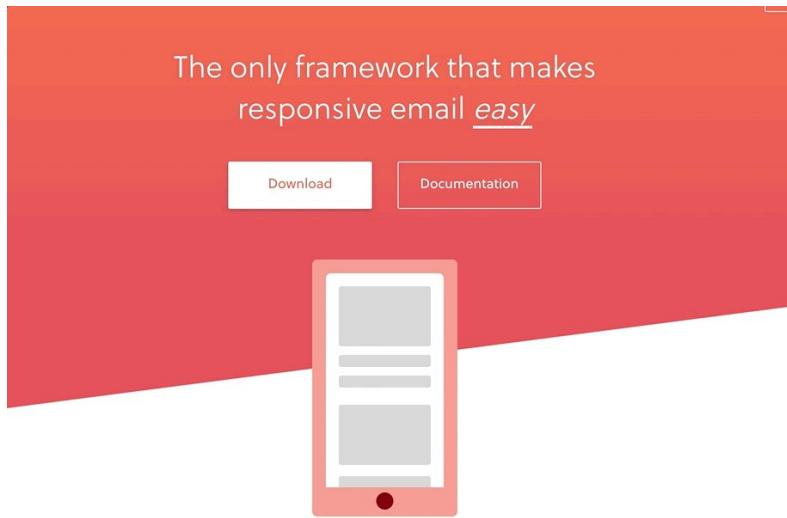


Puedo usar
estas
features o
me
engañaste
?

END OF EMAIL

NO QUESTIONS THANK YOU

MJML - Framework para correos ✨



- Nos permite compatibilidad entre distintos proveedores de correo
- Vienen varios template listos para modificar
- Mucho más legible para editar

Puedes probarlo en línea en :

- <https://mjml.io/try-it-live/>

 **mjml.** version 4.9.3

[Beautify MJML](#)

[Migrate from MJML 3](#)

Synchronize scroll Minify HTML

[View HTML](#)  

```
1 <mjml>
2   <mj-body>
3     <mj-section>
4       <mj-column>
5
6         <mj-image width="100px" src="/assets/img/logo-small.png"></mj-image>
7
8         <mj-divider border-color="#F45E43"></mj-divider>
9
10        <mj-text font-size="20px" color="#F45E43" font-family="helvetica">Hello
World</mj-text>
11
12      </mj-column>
13    </mj-section>
14  </mj-body>
15 </mjml>
```



Hello World

```
ml>
mj-body>
<mj-section>
 <mj-column>

 <mj-image width="100px" src="/assets/img/logo-small.png"></mj-image>

 <mj-divider border-color="#F45E43"></mj-divider>

 <mj-text font-size="20px" color="#F45E43" font-family="helvetica">Hello
ld</mj-text>

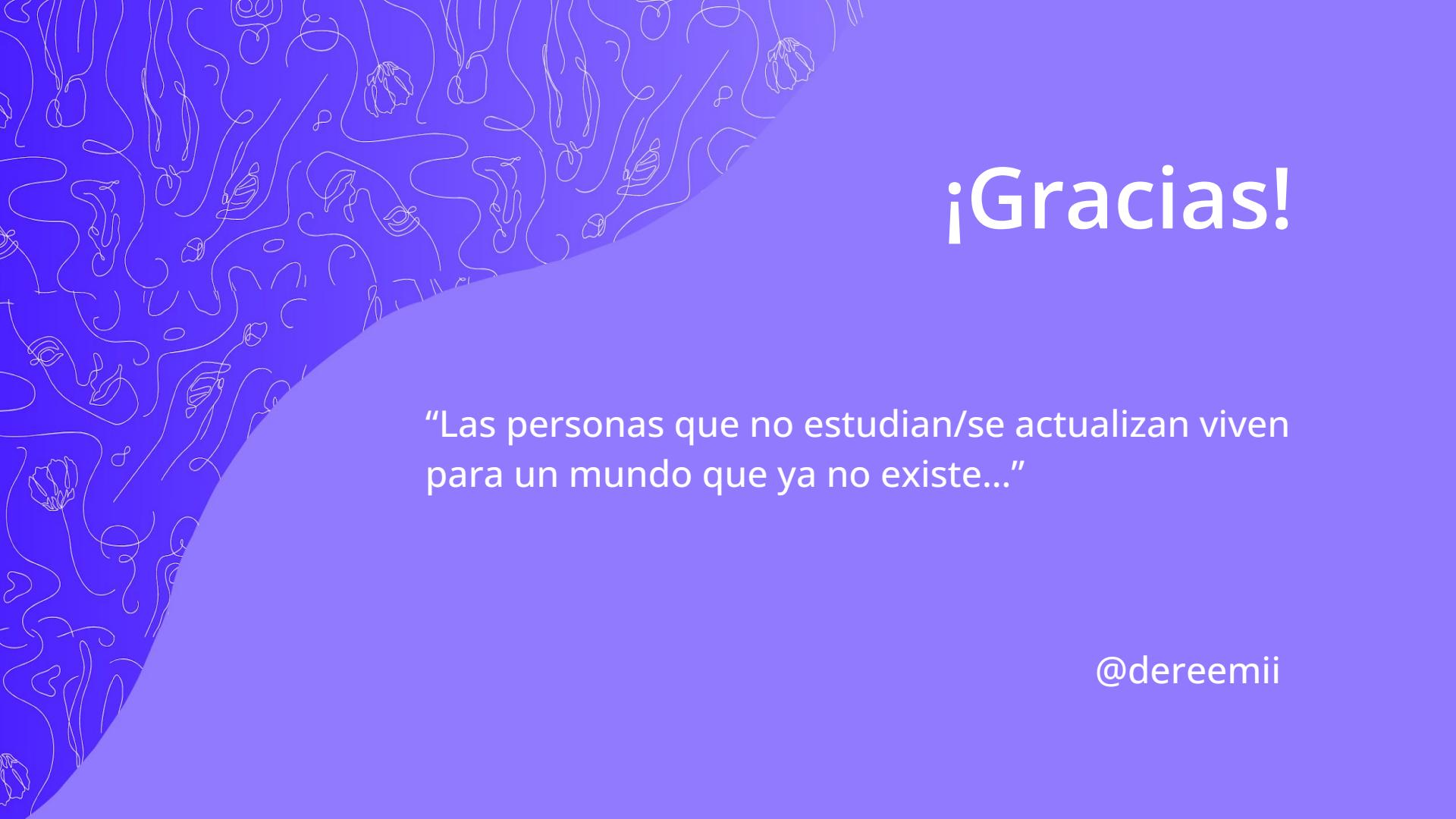
 </mj-column>
</mj-section>
/mj-body>
mjml>
```

Synchronize scroll Minify HTML

```
-->
111 </tr>
112 <tr>
113   <td align="center" style="font-size:0px;padding:10px
25px;word-break:break-word;">
114     <p style="border-top:solid 4px #F45E43;font-
size:1px;margin:0px auto;width:100%;">
115       </p>
116     <!--[if mso | IE]><table align="center" border="0"
cellpadding="0" cellspacing="0" style="border-top:solid 4px #F45E43;font-
size:1px;margin:0px auto;width:550px;" role="presentation" width="550px" >-
<td style="height:0;line-height:0;"> &nbsp;
117 </td></tr></table><![endif]-->
118   </td>
119 </tr>
120 <tr>
121   <td align="left" style="font-size:0px;padding:10px
25px;word-break:break-word;">
122     <div style="font-family:helvetica;font-size:20px;
height:1;text-align:left;color:#F45E43;">Hello World</div>
123   </td>
124 </tr>
125 </tbody>
126 </table>
127 </div>
128 <!--[if mso | IE]></td></tr></table><![endif]-->
129 </td>
130 </tr>
131 </tbody>
132 </table>
133 </div>
134 <!--[if mso | IE]></td></tr></table><![endif]-->
135 </div>
136 </body>
137
138 </html>
```



El futuro es hoy, ¿oíste viejo?



¡Gracias!

“Las personas que no estudian/se actualizan viven para un mundo que ya no existe...”

@dereemii