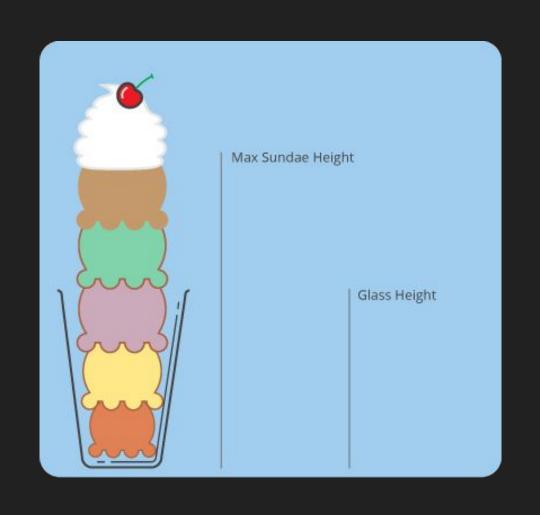
Responsive Web Development & Design

Problems on mobile

- Slow loading.
- Crashes, freezing and errors.
- Bad formatting.
- Not available.





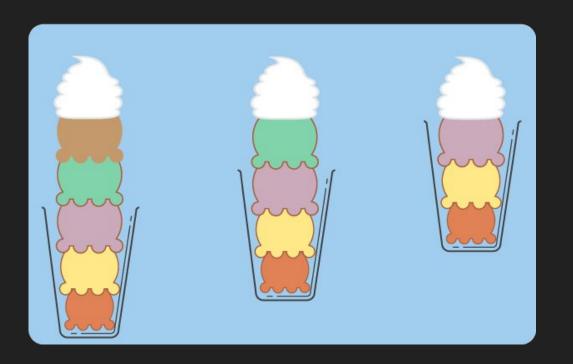


Static!

Relative!

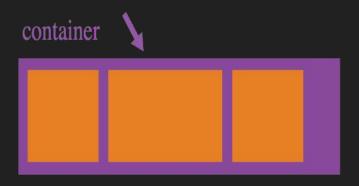


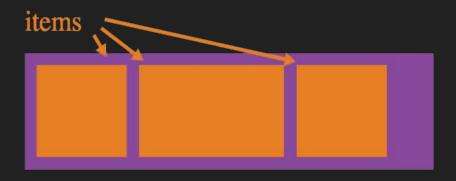
Fixed



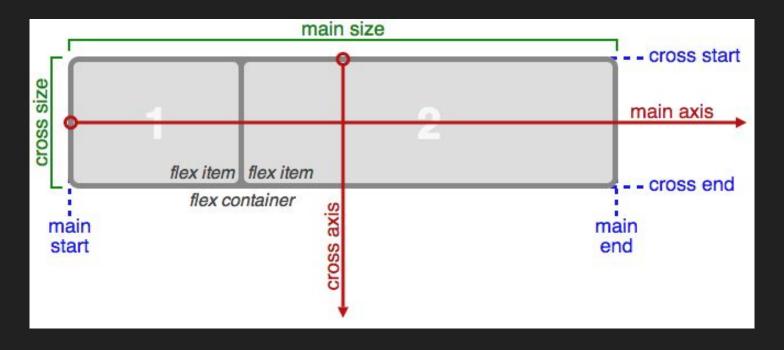
CSS 3 Flexbox

Flexbox Layout





Flexbox terminology



Steps:

- 1. Create container
- 2. Fill it with elements
- 3. Make container flex
- 4. Done!

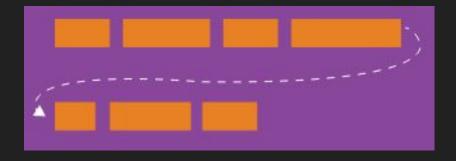
Flex direction



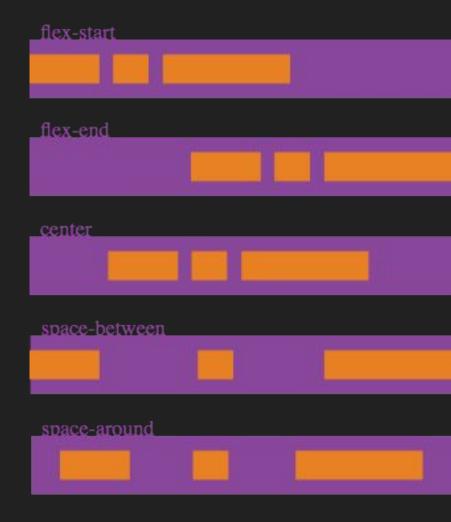
Flex-wrap



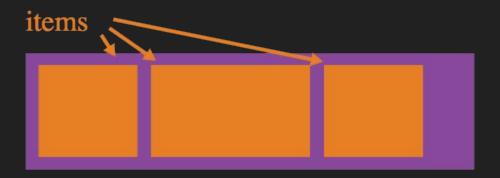
Flex-wrap



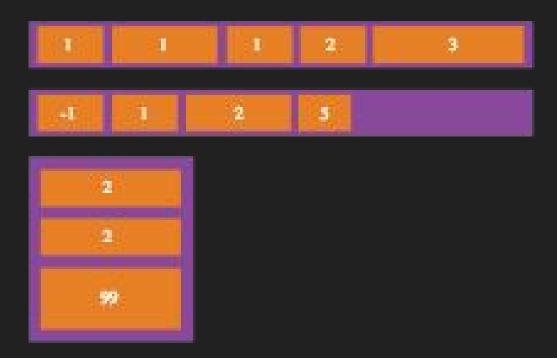
Justify Content



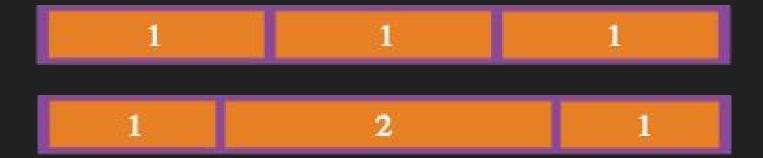
Flex-items



Flex-order



Flex-grow



Waaaaait....meta port!

<meta name="viewport"

content="width=device-width,

initial-scale=1.0">

What?





Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Nam liber tempor cum soluta nobis eleifend ontion conque nibil imperdiet domine

What should I do?

Increase font size.

Change content size depending on full size.





Advantages

- Appear in Google.
- One link.
- Easier to change and control.
- Avoid common mistakes.
- No redirecting.

Common mistakes

Blocked javascript and css files.

https://www.google.com/webmasters/tools/googlebot-fetch

- Unplayable content.
- Faulty redirects.
- Don't use interstitials
- Touch elements too close
- Small font size
- Slow mobile pages



Mobile First

MOBILE LAST (DEGRADED, SHOE-HORNED, SHORT-SIGHTED, CRAPPY)

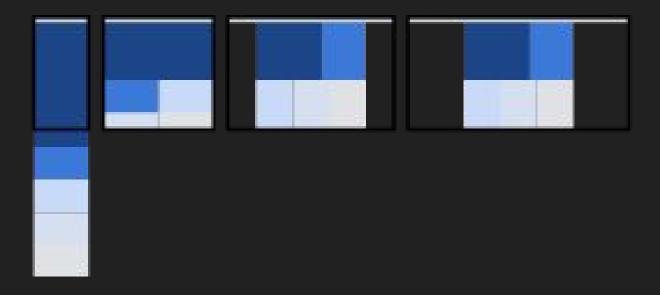


MOBILE FIRST (PROGRESSIVELY ENHANCED, FUTURE-FRIENDLY, AWESOME)



bradfrostweb.com/blog/web/mobile-first-responsive-web-design

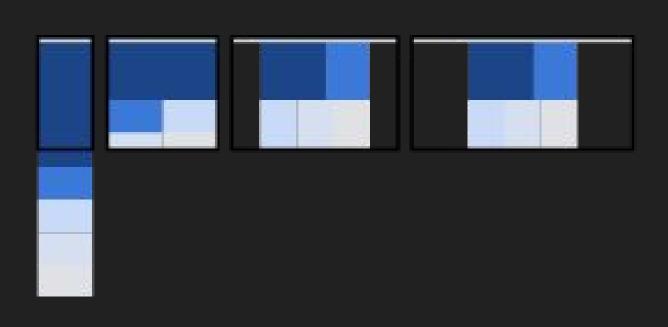
Mostly Fluid



Example

http://work.simplebits.com/

https://googlesamples.github.io/web-fundamentals/samples/fundamentals/design-and-ui/responsive/patterns/mostly-fluid.html



Column Drop



Examples

http://weenudge.com/

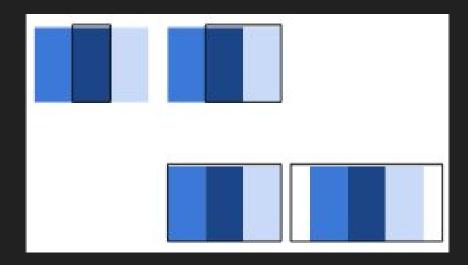
https://modernizr.com/download?setclasses

https://googlesamples.github.io/web-fundamentals/samples/fundamentals/design-and-ui/responsive/patterns/column-drop.html



Off-canvas

https://googlesamples.github.io/web-fundamentals/samples/fundamentals/design-and-ui/responsive/patterns/off-canvas.html

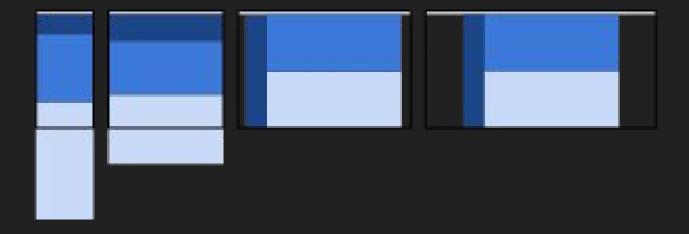


Tiny Tweaks

https://googlesamples.github.io/web-fundamentals/samples/fundamentals/design-and-ui/responsive/patterns/tiny-tweaks.html



Layout Shifter



Accelerated Mobile Pages Project

- Instant rendering
- AMP HTML
- Super fast Javascript
- Layout before loading.
 - No recalculations!
- Keep third-party Javascript out of our ways.