

FLEXBOX 101

Benjamin Hong
UX Developer

@bencodezen

TONIGHT'S AGENDA



✓ Flex What?



✓ Interactive Tutorial: Flexbox

✓ Final Thoughts



✓ Q&A

FLEX WHAT?

COMMON LAYOUTS

• What are common techniques people use to lay out their webpage?

- Blocks & Inline-Blocks
- Float
- Positioning
- Media Queries
- Tables

FLEXBOX

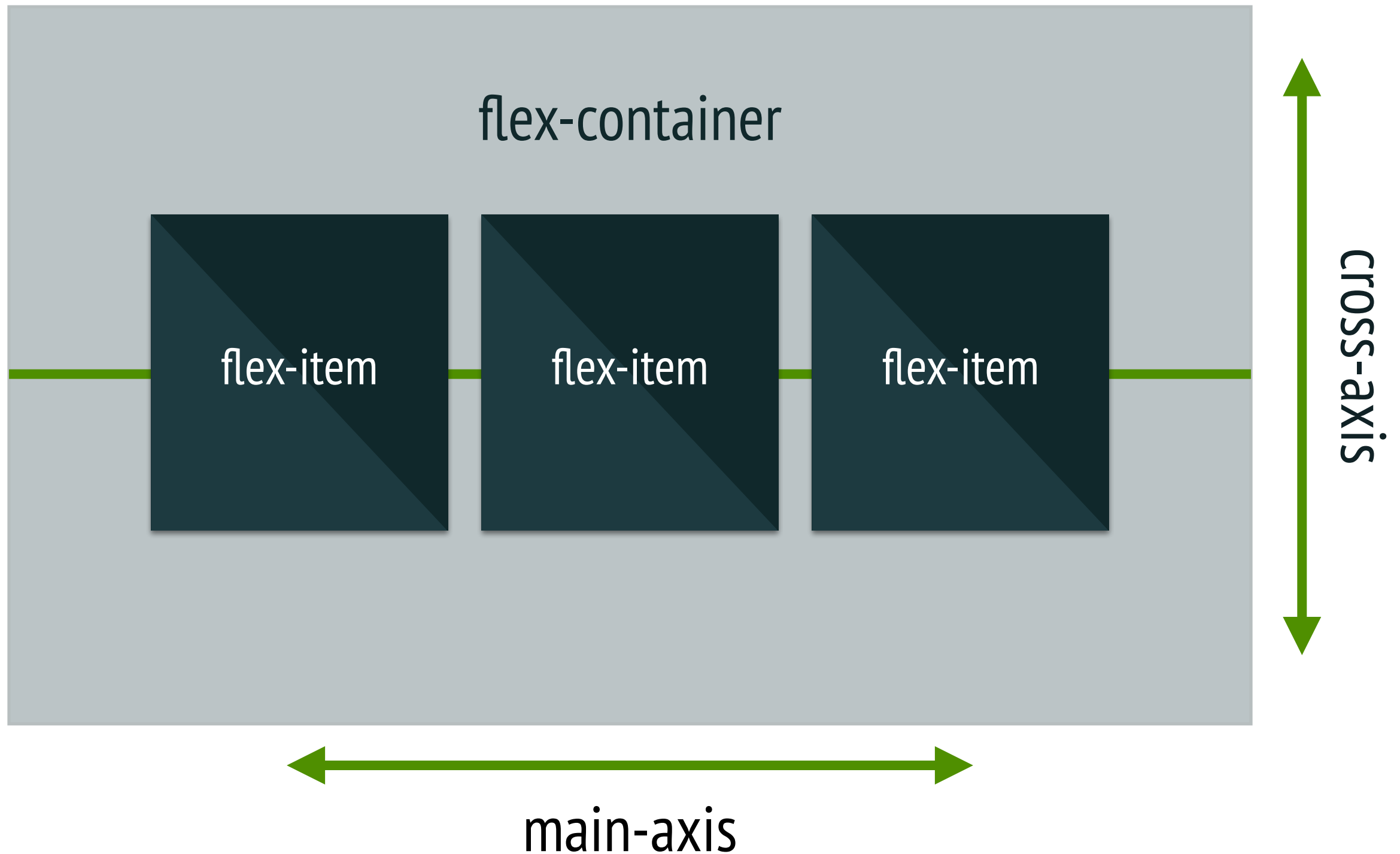
Flexbox is a “new” **flexible** and **intelligent** layout that was created to provide a more efficient way to build designs that can react to the ever growing number of screen sizes.

KEY TERMINOLOGY

- flex-container
- flex-item

- main-axis
- cross-axis

FLEXBOX ANATOMY



INTERACTIVE TUTORIAL

<http://codepen.io/collection/AWvMoQ/>

FINAL THOUGHTS

USING FLEXBOX

Flexbox is simple to learn and use, so the complexities lay in how it is implemented across your designs.

BROWSER SUPPORT

Flexible Box Layout Module - WD

Method of positioning elements in horizontal or vertical stacks. Support includes the support for the all properties prefixed with `flex` as well as `display: flex`, `display: inline-flex`, `align-content`, `align-items`, `align-self`, `justify-content` and `order`.

Global	82.74%	+	11.82%	=	94.57%
unprefixed:	72.22%	+	0.2%	=	72.42%
U.S.A.	89.09%	+	5.14%	=	94.23%
unprefixed:	61.37%	+	0.26%	=	61.62%

Current aligned Usage relative Show all

IE / Edge	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
8							1 4.1	
9		31					1 4.3	
2 10	38	42					4.4	
11	39	43	7.1		7.1		4.4.4	
Edge	40	44	8	30	8.4	8	40	44
	41	45	9	31	9			
	42	46		32				
	43	47						

<http://caniuse.com/#feat=flexbox>

CODE PREFIXING

```
.flex-container {  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
}
```

```
.flex-container {  
  display: -webkit-box;  
  display: -webkit-flex;  
  display: -ms-flexbox;  
  display: flex;  
  -webkit-box-orient: vertical;  
  -webkit-box-direction: normal;  
  -webkit-flex-direction: column;  
    -ms-flex-direction: column;  
      flex-direction: column;  
  -webkit-box-pack: center;  
  -webkit-justify-content: center;  
    -ms-flex-pack: center;  
      justify-content: center;  
  -webkit-box-align: center;  
  -webkit-align-items: center;  
    -ms-flex-align: center;  
      align-items: center;  
}
```

<http://pleeease.io/play/>

ADDITIONAL RESOURCES

- **A Complete Guide to Flexbox** by CSS Tricks
<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
- **What the Flexbox?** by Wes Bos
<http://flexbox.io>
- **A Visual Guide to CSS3 Flexbox Properties** by Dimitar Stojanov
<https://scotch.io/tutorials/a-visual-guide-to-css3-flexbox-properties>
- **Laying Out a Flexible Future for Web Design with Flexbox** by Ben Gremillion
<http://www.smashingmagazine.com/2015/08/flexible-future-for-web-design-with-flexbox/>

Q&A

THANK YOU!

If you have any additional questions, feel free to reach out to me @bencodezen!