flexbox cheatsheet

by @alsacreations

flex-container properties

display
flex · inline-flex

flex-wrap
nowrap · wrap · wrap-reverse

flex-direction
row · row-reverse · column · column-reverse

justify-content
flex-start · flex-end · center · space-between · space-around

align-items
flex-start · flex-end · center · *stretch* · baseline

align-content
flex-start · flex-end · center · *stretch* · space-between · space-around

flex-item properties

flex-grow
0 · 1 · 2 · …

flex-shrink
0 · *1* · 2 · …

flex-basis
auto · value · fill · min-content · …

flex (= flex-grow flex-shrink flex-basis)
flex: initial; ⇢ *flex: 0 1 auto;*
flex: auto; ⇢ flex: 1 1 auto;
flex: none; ⇢ flex: 0 0 auto;
flex: value; ⇢ flex: value 1 0;

order
0 · 1 · 2 · …

align-self
auto · flex-start · flex-end · center · stretch · baseline

internet explorer bugs

don't	do	
.parent { flex: 1;}	.parent { flex: 1 1 0%;}	IE10-11
.parent { flex: 1 1 0;}	.parent { flex: 1 1 0%;}	IE10
.inline-child { …}	.inline-child { display: block;}	IE10-11
flex-basis: value; box-sizing: border-box;	width|height: value; box-sizing: border-box	IE10-11
flex-basis: calc(value);	width|height: calc(value);	IE10-11

https://github.com/philipwalton/flexbugs

browsers support

Chrome	20- (old) 21+ (new)
Safari	3.1+ (old) 6.1+ (new)
Firefox	2-21 (old) 22+ (new)
Internet Explorer	10 (tweener) 11+ (new)
Android	2.1+ (old) 4.4+ (new)
iOS	3.2+ (old) 7.1+ (new)
Opera	12.1+ (new)

priority prevalence

1. min-width | min-height
2. max-width | max-height
3. flex-wrap
4. flex-grow | flex-shrink
5. flex-basis: value;
6. width: value;
7. flex-basis: auto;

mono-line grid

option 1 : flexible children

without gutters:

```
.parent {
  display: flex;
}
```

```
.children {
  flex: 1 1 0%;
}
```

with gutters:

```
.parent {
  display: flex;
}
```

```
.children {
  flex: 1 1 0%;
}
```

```
.parent > *:not(:first-child) {
  margin-left: gutter;
}
```

option 2 : space-between

without gutters:

```
.parent {
  display: flex;
}
```

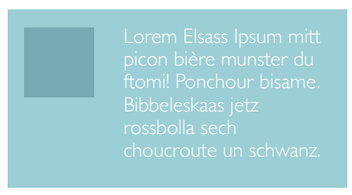
```
.children {
  width: calc(100% / 3);
}
```

with gutters:

```
.parent {
  display: flex;
  justify-content: space-between;
}
.children {
  width: calc(100% / 3 - gutter / 2);
}
```

patterns

media object




```
.parent {
  display: flex;
  align-items: flex-start;
}
```

```
.content {
  flex: 1 1 0%;
}
```

modifiers:

```
.parent--reverse {
  flex-direction: row-reverse;
}
```

```
.figure--center {
  align-self: center;
}
```

center everything

```
.parent {
  display: flex;
  justify-content: center;
  align-items: center;
}
```

alternative:

```
.parent {
  display: flex;
}
```

```
.children {
  margin: auto;
}
```

resources

english

- Awesome Flexbox: https://github.com/afonsopacifer/awesome-flexbox
- A complete guide to Flexbox: https://css-tricks.com/snippets/css/a-guide-to-flexbox/
- Flexbox Patterns: http://www.flexboxpatterns.com/

francophone

- Flexbox Layout : http://kiwi.gg/flexbox
- Flexbox, guide complet : https://la-cascade.io/flexbox-guide-complet/
- Livre « Flexbox, plongez dans les CSS modernes » : http://goetter.fr/livres/flexbox/

unapplied properties

flex-container

- column-*

flex-item

- float
- clear
- vertical-align
- ::first-line · ::first-letter