

## CSS Flexgrid Cheatsheet

#id  
.class

### HTML

```
<section id='grid'>
```

```
<div class='box'>  
<div class='box-content'>Hello, Box 1</div>  
</div>
```

```
<div class='box'>  
<div class='box-content'>Hello, Box 2</div>  
</div>
```

```
<div class='box'>  
<div class='box-content'>Hello, Box 3</div>  
</div>
```

```
<div class='box'>  
<div class='box-content'>Hello, Box 4</div>  
</div>  
</section>
```

### CSS

```
#grid {  
  Display: grid;  
  Grid-template-columns: repeat(3, 1fr);  
  Grid-template-rows: repeat(2, 1fr);  
  Grid-gap: 15px;  
  Padding: 15px
```

```
.box {  
  Display: flex;  
  Justify-content: center;  
  Align-items: center;  
  Color: #171717;
```

```
&nth-child(1); {  
  Grid-column: 1/2;  
  Color: green;  
}
```

```
&nth-child(2); {  
  Grid-column: 1/3;  
  Color: white;  
}
```

```
&nth-child(3); {  
  Grid-column: 13/4;  
  Grid-row: 1/3;  
  Color: yellow;  
}
```

```
&nth-child(4); {  
  Grid-column: 2/3;  
  Grid-row: 1/2;  
  Color: blue;
```

```
}  
}
```

— — —

Display: flex *creates a flex box*

Element {flex-direction: row/row-reverse/column/column-reverse;}

justify-content: center; *centres flex items*

Justify-content: Flex-start; *default*

Justify-content: space-between; *allows spaces in between items*

Justify-content: space-around; *similar to between but more egalitarian in space distribution*

Justify-content: space-evenly; *similar to around but more space at the very edges*

Align-items: *this handles the opposing axis ie y for rows and x for columns*

Flex-start

Flex-end *aligns to the end of the flex container*

Center

baseline *aligns with typography*

stretch *the default*

Flex-wrap: nowrap/wrap/wrap-reverse *wraps according to container and item sizes*

### **Flex: 1 2 10em**

Flex-grow: 1/2/3

Flex-shrink: 1/2/3

Flex-basis: auto/10em

Order: 1/2/3; *orders flex box differently from HTML doc*

Align-self: ; *overrides flex level alignments*

### **Flex Grid template**

#### HTML

```
<div class="flex-grid">  
  <div class="col"></div>  
  <div class="col"></div>  
  <div class="col"></div>  
</div>
```

#### CSS

```
.flex-grid {  
  display: flex;  
}  
.col {  
  flex: 1;  
}
```

#### Small Screens

```
@media (max-width: 400px) {  
  .flex-grid {  
    display: block;}}
```