

***Taking Flight with  
Tailwind CSS***

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***A Utility-First CSS  
Framework for Rapid UI  
Development***

- Utility CSS class generator
  - PostCSS
  - Configurable
- Some preprocessor features
- Can be used in addition to preprocessors
  - Open source

```
.title {  
  background-color: #3490DC;  
  color: #FFF;  
  display: block;  
  font-size: 1.5rem;  
  padding: 2rem;  
}
```

```
.text-2xl {  
  font-size: 1.5rem;  
}
```

```
.bg-blue {  
  background-color: #3490DC;  
}
```

```
.text-white {  
  color: #FFF;  
}
```

```
<div class="text-2xl bg-blue-dark text-white p-8">  
  <p>Hello, Drupal Bristol!</p>  
</div>
```



Document



Oliver



file:///Users/opdavies/Code/Personal/tailwind-test/index.html



Hello, Drupal Bristol!



# Installation

# Option 1

`https://cdn.jsdelivr.net/npm/tailwindcss/dist/tailwind.min.css`

## Option 2

```
yarn add postcss tailwindcss --save
```

```
yarn run tailwind init
```



```
// postcss.config.js
```

```
module.exports = {  
  plugins: [  
    require('tailwindcss')('./tailwind.js'),  
    require('autoprefixer'),  
  ]  
}
```

```
// main.less
```

```
@tailwind preflight;
```

```
// Any custom styles.
```

```
@tailwind utilities;
```

```
// webpack.config.js
```

```
Encore
```

```
...
```

```
.enableLessLoader()
```

```
.addStyleEntry('site', './less/main.less')
```

```
.enablePostCssLoader(function(options) {
```

```
  options.config = {
```

```
    path: 'postcss.config.js'
```

```
  };
```

```
})
```

```
...
```

```
;
```

```
<head>
```

```
  <title>Hello, World!</title>
```

```
  <link rel="stylesheet" href="/build/site.css">
```

```
...
```



```
.text-left {  
    text-align: left;  
}  
  
.text-center {  
    text-align: center;  
}  
  
.text-right {  
    text-align: right;  
}  
  
.text-justify {  
    text-align: justify;  
}
```

```
<div class="text-bold text-red bg-blue">  
    Hello, world!  
</div>
```

# Configuration









```
padding: {  
  'px': '1px',  
  '0': '0',  
  '1': '0.25rem',  
  '2': '0.5rem',  
  '3': '0.75rem',  
  '4': '1rem',  
  '5': '1.25rem',  
  '6': '1.5rem',  
  '8': '2rem',  
  '16': '4rem',  
}
```



```
options: {  
  prefix: '',  
  important: false,  
  separator: ':',  
}
```

- Colours (text and background)
  - Font family, size, weight
- Leading (line height), tracking (letter spacing)
  - Border widths, colours, radius
- Width, height, min/max width/height

- Padding, margin (positive and negative)
  - Shadows
  - Z-index
  - Opacity
  - SVG fill, stroke
- Screen sizes (breakpoints)

# States

**Hover, Focus, Active**

.{state}{separator}{class}

```
<a class="bg-grey hover:bg-grey-dark focus:bg-grey-dark" href="/">  
  Home  
</a>
```

**Responsive**

```
.{screen}{separator}{class}
```



```
<div class="block sm:inline-block md:flex lg:block">  
  <p>Hello, World!</p>  
</div>
```

# Extracting Components





```
// main.less
```

```
.button {  
  .inline-block;  
  .rounded;  
  .text-sm;  
  .py-2;  
  .px-3;  
  .text-white;  
}
```

```
# main.css
```

```
.button {  
  @apply .inline-block;  
  @apply .rounded;  
  @apply .text-sm;  
  @apply .py-2;  
  @apply .px-3;  
  @apply .text-white;  
}
```

```
<a href="button bg-red">  
  Click me!  
</a>
```

```
<a href="button bg-green">  
  Click me too!  
</a>
```

```
// table.less

.table-responsive {
  @apply .mb-4 .border .w-full;
  overflow-x: auto;
  overflow-y: hidden;
}

.table-responsive table {
  @apply .mb-0 .border-0 .whitespace-no-wrap;
}

.table {
  @apply .w-full .table-collapse;
}

.table tr:nth-child(odd) {
  @apply .bg-grey-lightest;
}

.table tr th {
  @apply .text-left .p-3 .bg-white;
}

.table td {
  @apply .px-3 .py-3 .border-t;
}
```



# Advantages

- Quick to prototype and make changes
  - Write less CSS
  - More consistency
- Easy to customise, promote to components
  - Mix and match with normal CSS

# Disadvantages

- Extra build tools and steps
- Lots of classes in markup
- Large file size by default

## For Drupal

- Add a prefix to avoid clashing
- Enable `important` setting to override existing styles
  - Add classes in templates where possible
- Use `@apply` to limit the number of templates, to avoid adding classes in PHP code or config (e.g. Views), to style hard-to-reach elements

# Resources

→ [tailwindcss.com](https://tailwindcss.com)

→ [tailwindcomponents.com](https://tailwindcomponents.com)

→ [github.com/merchedhq/awesome-tailwindcss](https://github.com/merchedhq/awesome-tailwindcss)

→ [youtube.com/adamwathan](https://youtube.com/adamwathan)

→ [github.com/opdavies/oliverdavies.uk](https://github.com/opdavies/oliverdavies.uk)

→ [github.com/phpsw/phpsw-ng](https://github.com/phpsw/phpsw-ng)

**Thank you**

**@opdavies**