

A Catalogue of Styling Techniques



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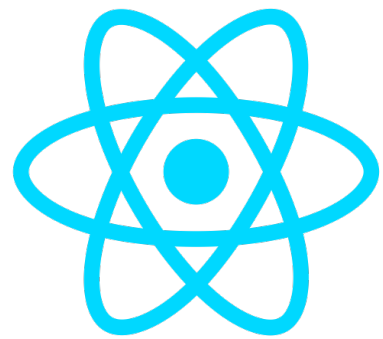
- Inline styling
- CSS-in-JS libraries
- CSS stylesheets
- CSS modules



Inline Styles



MyComponent.js



```
const styles = {  
  color: 'white',  
  background: 'blue',  
  padding: '0.5rem 1rem',  
  borderRadius: '2px'  
}
```

```
<button style={styles}>Click me</button>
```





- Encapsulation
- Code sharing
- Isolated
- Explicit dependencies
- No library





- Cascade, overrides
- Media queries
- Pseudo selectors
- Keyframe animations



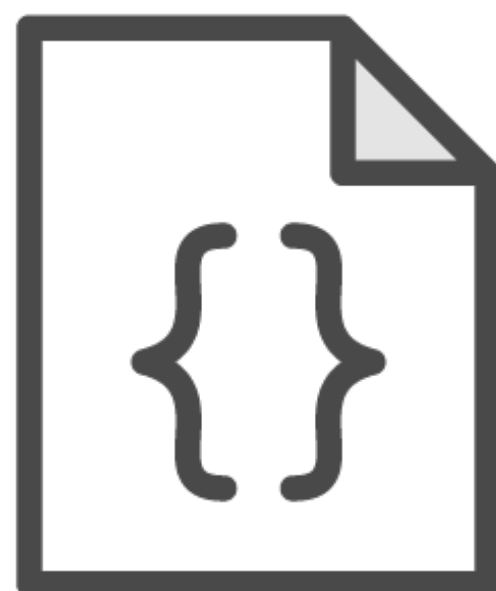


- JavaScript-centric
- Simple
- Co-locate styles
- No 3rd-party library



CSS-in-JS





+





- styled-components
- emotion
- aphrodite
- glamor
- styled-jsx
- radium
- astroturf

...



1. `const myClass = css({ color: 'red' })`
`<div className={myClass}>Contents</div>`

2. `const myClass = css` color: red; ``
`<div className={myClass}>Contents</div>`





styled
components



```
import styled from 'styled-components'
```

```
const Button = styled.button`
```

```
  color: white;
```

```
  background: blue;
```

```
  padding: 0.5rem 1rem;
```

```
  border-radius: 2px;
```

```
`
```

```
function MyComponent() {
```

```
  return (
```

```
    <Button>Already styled</Button>
```

```
  )
```

```
}
```



```
import styled from 'styled-components'

const Button = styled.button`
  color: white;
  background: blue;
  padding: 0.5rem 1rem;
  border-radius: 2px;

  @media (min-width: 800px) {
    padding: 1rem 2rem;
  }
`
```



```
import styled from 'styled-components'

const Button = styled.button`
  color: white;
  background: blue;
  padding: 0.5rem 1rem;
  border-radius: 2px;

  &:hover {
    outline: 2px solid white;
  }
`
```




```
import styled, { keyframes } from 'styled-components'

const jitter = keyframes`
  0% { transition: scaleY(0.9); }
  100% { transition: scaleY(1); }
`

const Button = styled.button`
  animation: ${jitter} 350ms ease-out infinite;
  /* ... */
`
```



```
import styled from 'styled-components'

const Button = styled.button`
  color: white;
  background: ${props => props.secondary ? 'gray' : 'blue'};
`
```





- Media queries
- Pseudo selectors
- Keyframe animations
- Co-located styles and code





- Choosing a library
- Cascade, overrides





- Co-locate styles
- Power of CSS



CSS Stylesheets



```
<link rel="stylesheet" href="/css/my-styles.css" />
```





1. Global namespace
2. Dependencies
3. Dead code elimination
4. Minification
5. Sharing constants
6. Non-deterministic resolution
7. Isolation





- No new syntax
- All of CSS
- Community experience



my-styles.css

```
.a-component {  
  color: blue;  
}
```

other-on-page-styles.css

```
.a-component {  
  color: red;  
}
```



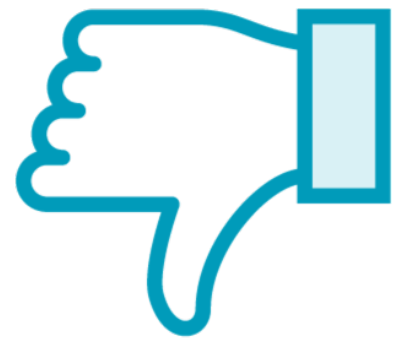


BEM

Block Element Modifier

`.block__element--modifier`





```
.component__element {  
  color: red;  
}
```

```
ul > li > .component__element {  
  color: blue  
}
```





- Status quo
- No new process
- Feel at home in CSS



CSS Modules



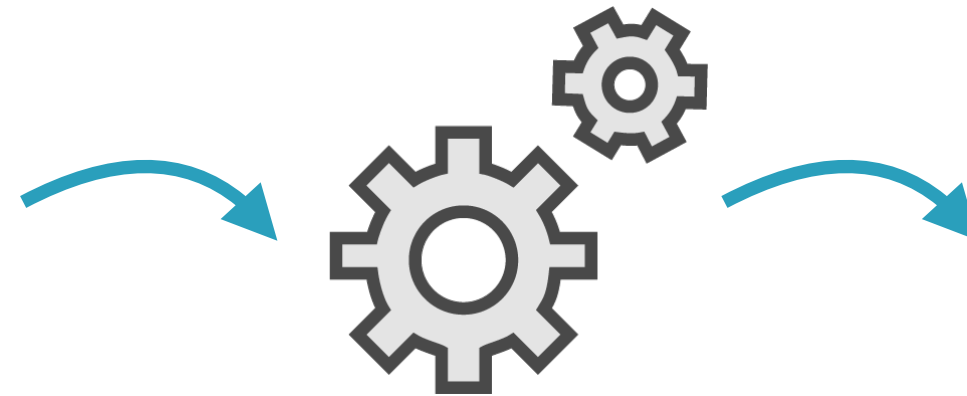
```
.button {  
  color: white;  
  background: blue;  
  padding: 0.5rem 1rem;  
  border-radius: 2px;  
}
```



component-styles.module.css

```
.button {  
  color: white;  
  background: blue;  
  padding: 0.5rem 1rem;  
  border-radius: 2px;  
}
```

Module Bundler



```
import * as css from  
  './component-styles.module.css'  
  
console.log(css)  
  
// { button: 'button-3dajc' }
```




```
import React from 'react'
```

```
import * as css from './component-styles.module.css'
```

```
function MyComponent() {  
  return <button className={css.button}>Click me</button>  
}
```



SRC

```
.link {  
  text-decoration: none;  
}  
.btn {  
  border: none;  
  background: blue;  
}
```



COMPILED

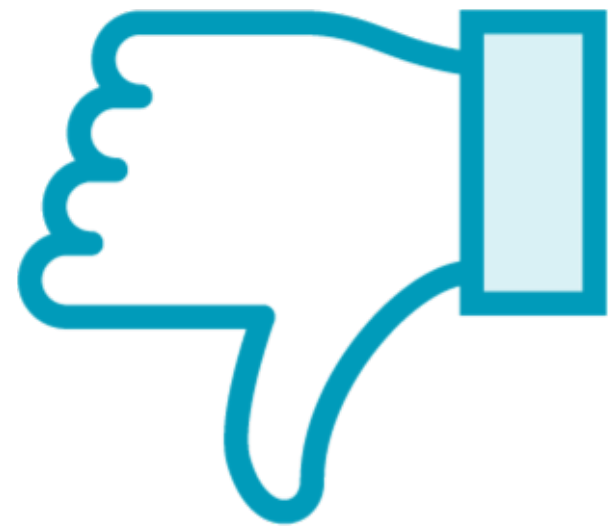
```
.link---5x98a {  
  text-decoration: none;  
}  
.btn---99a0f {  
  border: none;  
  background: blue;  
}
```





- Power of CSS
- Isolated
- Explicit dependencies





- Sharing constants





- Author in CSS stylesheets
- Manage problems of CSS





- Inline styling
- CSS-in-JS libraries
- CSS stylesheets
- CSS modules





- Static styling
- Dynamic styling
- Style overrides

