

Step-by-Step: TailwindCSS in React

1. Basic Usage

- Tailwind works by applying utility classes directly in your JSX.
- Example:

```
function App() {  
  return (  
    <div className="bg-blue-500 text-white p-4 rounded">  
      <h1 className="text-2xl font-bold">Hello Tailwind!</h1>  
      <p className="mt-2">This is styled with TailwindCSS.</p>  
    </div>  
  );  
}
```

2. Responsive Design

- Tailwind uses breakpoint prefixes (sm:, md:, lg:, xl:).
- Example:

```
<button className="bg-green-500 p-2 sm:p-4 md:p-6">  
  Responsive Button  
</button>
```

3. Hover & State Styles

- Add pseudo-class prefixes like hover:, focus:, active:.
- Example:

```
<a className="text-blue-600 hover:text-blue-800">Hover me</a>
```

4. Flexbox & Grid

- Tailwind makes layout easy:

```
<div className="flex justify-between items-center">
  <span>Left</span>
  <span>Right</span>
</div>

<div className="grid grid-cols-3 gap-4">
  <div className="bg-red-200">1</div>
  <div className="bg-red-300">2</div>
  <div className="bg-red-400">3</div>
</div>
```

5. Customization

- Use tailwind.config.js to extend themes:

```
js
module.exports = {
  theme: {
    extend: {
      colors: {
        brand: '#1E40AF',
      },
    },
  },
};
```

- Then use in ``JSX:

```
<div className="bg-brand text-white p-4">Custom Color</div>
```