

Tailwind CSS



Tailwind CSS is a **utility-first CSS framework** for rapidly building modern user interfaces.

Instead of writing custom CSS classes, you style elements directly using small, reusable utility classes.

Tailwind is a utility-first CSS framework for building fully custom designs.

Bootstrap is a component-based framework with ready-made UI elements.

<https://tailwindcss.com/docs/installation/using-vite>

Bootstrap vs Tailwind

Bootstrap

```
<button class="btn btn-primary">Click Me</button>
```

- Predefined style, looks like every other Bootstrap button.

Tailwind CSS

```
<button class="bg-blue-500 text-white px-4 py-2 rounded-lg hover:bg-blue-700">  
Click Me  
</button>
```

- More control, you decide padding, color, shape. Looks unique.

Bootstrap: Like ordering fast food 🍔 — quick, predefined taste, same everywhere.

Tailwind: Like cooking with ingredients 🥗 — you assemble everything, takes a bit more effort at first, but you get exactly the taste you want.

Install and Configure



Step 1: Create your project

```
npm create vite@latest my-project  
cd my-project
```

Step 2: Install Tailwind CSS

```
npm install tailwindcss @tailwindcss/vite
```

Step 3: Configure the Vite plugin

Add the @tailwindcss/vite plugin to your Vite configuration file. [**vite.config.js**]

```
import { defineConfig } from 'vite'  
import tailwindcss from '@tailwindcss/vite'  
export default defineConfig({  
  plugins: [ react(), tailwindcss(), ],  
})
```

Install and Configure



Step 4: Import Tailwind CSS to App.css file

```
@import "tailwindcss";
```

Step 5: Start using Tailwind in your HTML

```
<body>
  <h1 class="text-3xl font-bold underline">
    Hello world!
  </h1>
</body>
```