



What is Tailwind?

"Rapidly build modern websites without ever leaving your HTML."

'Utility-first' means the framework's main focus is on providing utility classes.

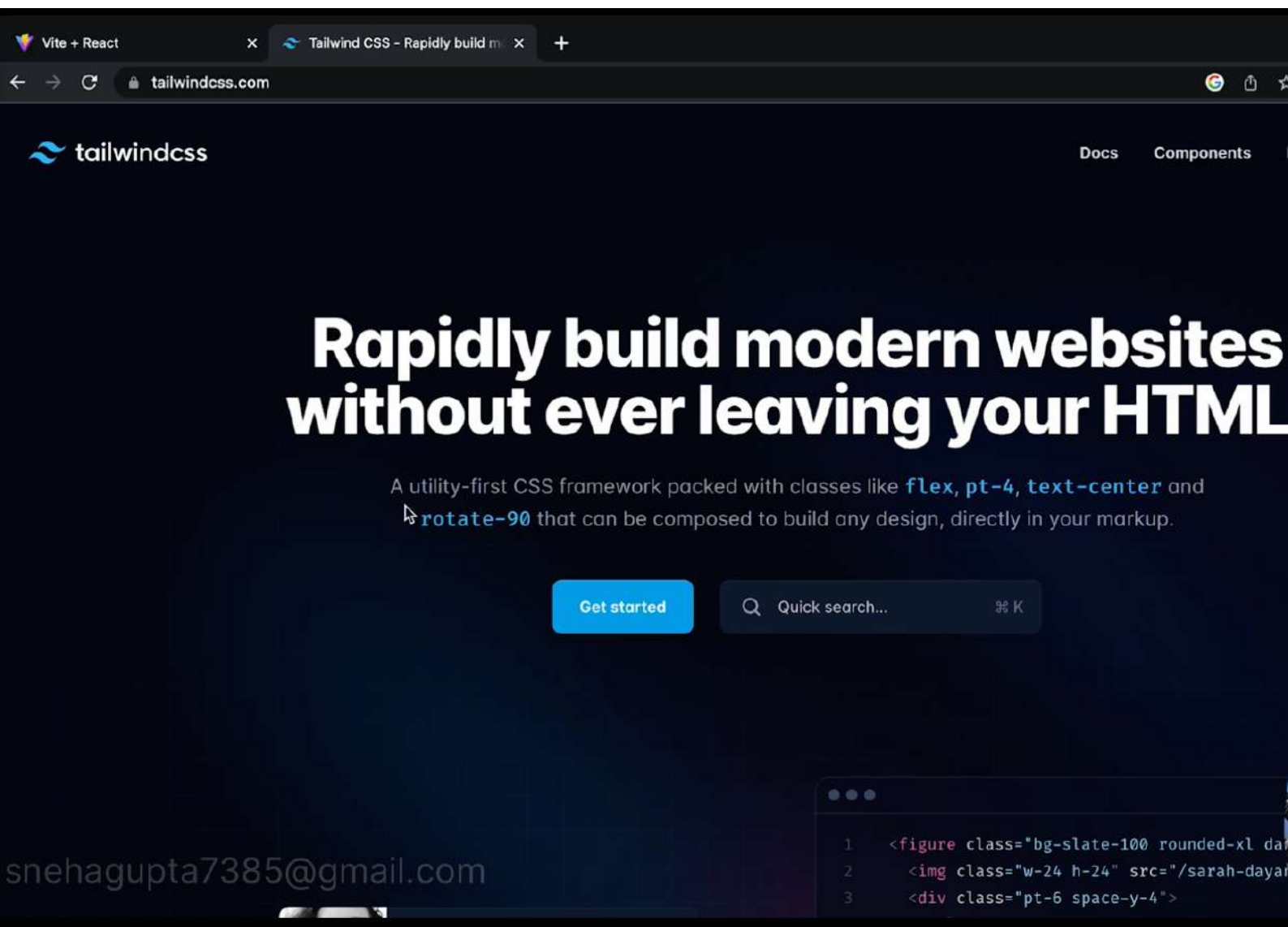
What is Tailwind?

"Rapidly build modern websites without ever leaving your HTML."



"Utility-first" means the framework's main focus is on providing utility classes.

- i) confusion
- ii) Bundle size



Rapidly build modern websites without ever leaving your HTML

A utility-first CSS framework packed with classes like `flex`, `pt-4`, `text-center` and `rotate-90` that can be composed to build any design, directly in your markup.

Get started

Quick search...

⌘ K

```
1 <figure class="bg-slate-100 rounded-xl data-
2 
```

snehagupta7385@gmail.com

<> index.html > html > body > h1.underline

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6      <title>Tailwind CSS Demo</title>
7      <script src="https://cdn.tailwindcss.com"></script>
8    </head>
9    <body>
10     <h1 class="underline">Hello World!</h1>
11     <h2>h2 - Hello World!</h2>
12     <h3>h3 - Hello World!</h3>
13   </body>
14 </html>
```

Hello World!

```
<body>  
  <h1 class="underline ml-4">Hello World!</h1>  
  <h2>h2 - Hello World!</h2>  
  <h3>h3 - Hello World!</h3>  
</body>
```

Hello World!

h2 - Hello World!

h3 - Hello World!

Using Tailwind

Tailwind CLI

found 0 vulnerabilities

○ shradhakhapra@Shradhas-MacBook-Air TailwindCSS % npm i vite

```
○ shradhakhapra@Shradhas-MacBook-Air TailwindCSS % npx tailwindcss init -p
```

4 Add the Tailwind directives to your CSS

Add the `@tailwind` directives for each of Tailwind's layers to your main CSS file.

main.css

```
@tailwind base;  
@tailwind components;  
@tailwind utilities;
```

<> index.html

style.css 3 X

style.css

```
1  @tailwind base;
2  @tailwind components;
3  @tailwind utilities;
4
```

EXPLORER

...

<> index.html

{ } package.json X

snehagupta7385@gmail.com

▼ TAILWINDCSS

> node_modules

<> index.html

{ } package-lock.json

{ } package.json

JS postcss.config.js

style.css

JS tailwind.config.js

{ } package.json > ...

```
1  {  
2    ▶ Debug  
3    "scripts": {  
4      "start": "vite"  
5    },  
6    "devDependencies": {  
7      "autoprefixer": "^10.4.16",  
8      "postcss": "^8.4.31",  
9      "tailwindcss": "^3.3.5"  
10   },  
11   "dependencies": {  
12     "vite": "^4.5.0"  
13   }  
14 }
```

<> index.html × # style.css 3

<> index.html > html > head > link

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6      <title>Tailwind CSS Demo</title>
7      <link rel="stylesheet" href="style.css" />
8    </head>
9    <body>
10     <h1 class="underline ml-4">Hello World!</h1>
11     <h2>h2 - Hello World!</h2>
12     <h3>h3 - Hello World!</h3>
13   </body>
14 </html>
```

```
<body>
  <h1 class="underline ml-4 p-4">Hello World!</h1>
  <h2>h2 - Hello World!</h2>
  <h3>h3 - Hello World!</h3>
</body>
</html>
```




localhost:5173

Hello World!

h2 - Hello World!

h3 - Hello World!

Using Tailwind

Tailwind CLI

PostCSS

- 1) npm tailwind install →
- 2) npm i vite
- 3) npx tailwindcss init -p
- 4) tailwind.config.js → content["*"]
- 5) style.css → directives
- 6) package.json → "start": "vite"
- 7) link css with html

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npm run start

EXPLORER

...

index.html

TAILWINDCSS

node_modules

index.html

package-lock.json

package.json

postcss.config.js

style.css

tailwind.config.js

index.html

index.html > html > body > p.font-mono

7

<link rel="stylesheet" href="style.css" />

8

</head>

9

<body>

10

<p class="font-sans">

11

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt alias,

12

a explicabo adipisci perferendis fuga labore voluptas architecto unde

13

impedit provident? Aut debitis quaerat excepturi impedit. Officiis quos

14

labore eius!

15

</p>

16

<p class="font-serif"> ⓘ

17

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt alias,

18

a explicabo adipisci perferendis fuga labore voluptas architecto unde

19

impedit provident? Aut debitis quaerat excepturi impedit. Officiis quos

20

labore eius!

21

</p>

22

<p class="font-mono">

23

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt alias,

24

a explicabo adipisci perferendis fuga labore voluptas architecto unde

25

impedit provident? Aut debitis quaerat excepturi impedit. Officiis quos

26

labore eius!

27

</p>

28

</body>

29

</html>

```
<body>
```

```
  <h1 class="text-6xl">This is H1</h1>
```

```
  <h2 class="text-4xl">This is H2</h2>
```

```
  <h3 class="text-2xl">This is H3</h3>
```

```
<body>
  <h1 class="text-6xl italic font-semibold">This is H1</h1>
  <h2 class="text-4xl font-medium">This is H2</h2>
  <h3 class="text-2xl font-thin">This is H3</h3>
```

```
<body>  
  <h1 class="text-6xl text-center font-semibold">This is H1</h1>  
  <h2 class="text-4xl font-medium">This is H2</h2>  
  <h3 class="text-2xl font-thin">This is H3</h3>  
  <p class="font-sans">
```

This is H1

This is H2

This is H3


```
<p class="font-mono text-right">
```

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt alias, a explicabo adipisci perferendis fuga labore voluptas architecto unde impedit provident? Aut debitis quaerat excepturi impedit. Officiis quos labore eius!

```
</p>
```

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt ali
 adipisci perferendis fuga labore voluptas architecto unde impedit
 debitis quaerat excepturi impedit. Officiis qu

```
<body>
  <div class="bg-green-500 w-1/3">this is a div</div>
</body>
```

this is a div

```
<body>  
  <div class="bg-green-500 w-96 h-24">this is a div</div>  
</body>
```

this is a div

Colors

text color

bg

Typography

- Font Family
- Font Size
- Font Smoothing
- Font Style
- Font Weight
- Font Variant Numeric
- Letter Spacing
- Line Clamp
- Line Height
- List Style Image
- List Style Position
- List Style Type
- Text Align
- Text Color
- Text Decoration
- Text Decoration Color

Text Color

Utilities for controlling the text color of an element.

Class	Properties	
<code>text-inherit</code>	<code>color: inherit;</code>	Aa
<code>text-current</code>	<code>color: currentColor;</code>	Aa
<code>text-transparent</code>	<code>color: transparent;</code>	
<code>text-black</code>	<code>color: rgb(0 0 0);</code>	Aa
<code>text-white</code>	<code>color: rgb(255 255 255);</code>	Aa
<code>text-slate-50</code>	<code>color: rgb(248 250 252);</code>	Aa
<code>text-slate-100</code>	<code>color: rgb(241 245 249);</code>	Aa
<code>text-slate-200</code>	<code>color: rgb(226 232 240);</code>	Aa

Basic usage

Setting the text color

Control the text color of an element using the `text-{color}` utilities.


```
<body>  
  <div class="bg-green-500 w-96 h-44 text-white">this is a div</div>  
</body>
```

this is a div



```
<body>
  <div class="bg-purple-700 w-96 h-44 text-rose-500">this is a div</div>
</body>
```

this is a div



snehagupta7385@gmail.com

Spacing

m l

m r

m t

m b

ehagupta7385@gmail.com

$$1 = 0.25 \text{ rem}$$

$$1 \text{ rem}$$

Spacing

ml - 4 (1 rem from left)

mr -

mt -

mb -

m - 4

mx - 4

my - 4

```
<body>
  <div class="bg-purple-700 w-1/2 h-56 text-white m-4">
    Lorem ipsum dolor sit amet consectetur, adipisicing elit. Venia
    ipsa officia quod nisi nulla iste blanditiis atque ab nobis, cu
    cupiditate amet? Quaerat, placeat laboriosam dicta odit non vo
  </div>
</body>
</html>
```



```
<body>
  <div class="bg-purple-700 w-1/2 h-56 text-white -ml-4 -mt-4">
    Lorem ipsum dolor sit amet consectetur, adipisicing elit. Veniam, nemo
    ipsa officia quod nisi nulla iste blanditiis atque ab nobis, cum,
    cupiditate amet? Quaerat, placeat laboriosam dicta odit non voluptas?
  </div>
</body>
```

non ipsam dolo, et amet concelestat, adpietumq; et
eniam, nemo ipsa officia quod nisi nulla iste blanditiis
que ab nobis, cum, cupiditate amet? Quaerat, placeat
poriosam dicta odit non voluptas?

```
<body>
  <div class="bg-purple-700 w-1/2 h-56 text-white ml-4 mt-4 pl-4">
    Lorem ipsum dolor sit amet consectetur, adipisicing elit. Veniam,
    ipsa officia quod nisi nulla iste blanditiis atque ab nobis, cum,
    cupiditate amet? Quaerat, placeat laboriosam dicta odit non volupt
  </div>
</body>
```

```
<div class="bg-purple-700 w-1/2 h-56 text-white ml-4 mt-4 px-4 pt-4">
  Lorem ipsum dolor sit amet consectetur, adipisicing elit. Veniam,
  ipsa officia quod nisi nulla iste blanditiis atque ab nobis, cum,
  cupiditate amet? Quaerat, placeat laboriosam dicta odit non volupta
</div>
```



Lorem ipsum dolor sit amet
consectetur, adipisicing elit.
Veniam, nemo ipsa officia quod
nisi nulla iste blanditiis atque ab
nobis, cum, cupiditate amet?
Quaerat, placeat laboriosam
dicta odit non voluptas?

```
body
<div
  class="bg-purple-500 text-white m-4 border-2 border-black rounded h-[200px]"
>
  one
```

one

Breakpoints

Breakpoint prefix	Minimum width	CSS
`sm`	640px	<code>`@media (min-width: 640px) { ... }`</code>
`md`	768px	<code>`@media (min-width: 768px) { ... }`</code>
`lg`	1024px	<code>`@media (min-width: 1024px) { ... }`</code>
`xl`	1280px	<code>`@media (min-width: 1280px) { ... }`</code>
`2xl`	1536px	<code>`@media (min-width: 1536px) { ... }`</code>


```
="bg-purple-500 text-white m-4 border-2 border-black rounded h-[5rem] sm:w-32 md:w-48"
```

```
ass="bg-purple-500 text-white m-4 border-2 rounded border-blue-500">
```

```
ass="bg-purple-500 text-white m-4 border-2 rounded border-rose-500">
```

one

two

three

```
Elements Console
<!DOCTYPE html>
<html lang="en">
  ><head> ... </head>
  ... ><body> ... </body> == $0
</html>
```

668px × 469.14px

one

two

three

```
ext-white m-4 border-2 border-black rounded h-[5rem] sm:bg-orange-500 md:bg-yellow-500|
```

one

two

three

one

two

three

Apply Directive

Use `@apply` to inline any existing utility classes into your own custom CSS.

Apply Directive

Use @apply to inline any existing utility classes into your own custom CSS.

`<div>`
agupta7385@gmail.com

`<div>`

`<div>`

bg color : purple
color : white
border-radius : 16px
margin : 10px


```
<body>
  <div class="bg-purple-500 text-white m-4 border-2 rounded border-black">
    one
  </div>
  <div class="bg-purple-500 text-white m-4 border-2 rounded border-blue-500">
    two
  </div>
  <div class="bg-purple-500 text-white m-4 border-2 rounded border-rose-500">
    three
  </div>
</body>
```

style.css >  .box

```
1  @tailwind base;
2  @tailwind components;
3  @tailwind utilities;
4
5  .box {
6    @apply bg-purple-500 text-white m-4 border-2 rounded;
7  }
```

T

```
</head>
<body>
  <div class="box border-black">one</div>
  <div class="box border-blue-500">two</div>
  <div class="box border-rose-500">three</div>
</body>
</html>
```

```
.text-white {  
  @apply text-black;  
}
```

one

two

three

Activity

Design this card using Tailwind

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