

Learning tailwind

**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

Initialize project

<https://tailwindcss.com/docs/guides/vite>

The screenshot shows a web page with a light blue grid background. At the top left is the Tailwind CSS logo (a blue wavy icon followed by the text 'tailwindcss'). Below the logo is a 'Getting Started' link in blue. The main title 'Install Tailwind CSS with Vite' is displayed in a large, bold, dark blue font. A subtitle 'Setting up Tailwind CSS in a Vite project.' follows. At the bottom of the page, there is another section titled 'Install Tailwind CSS with Vite - Tailwind CSS' with the same subtitle below it. The Tailwind CSS logo is also present at the bottom of this section.

Getting Started

Install Tailwind CSS with Vite

Setting up Tailwind CSS in a Vite project.

Install Tailwind CSS with Vite - Tailwind CSS

Setting up Tailwind CSS in a Vite project.

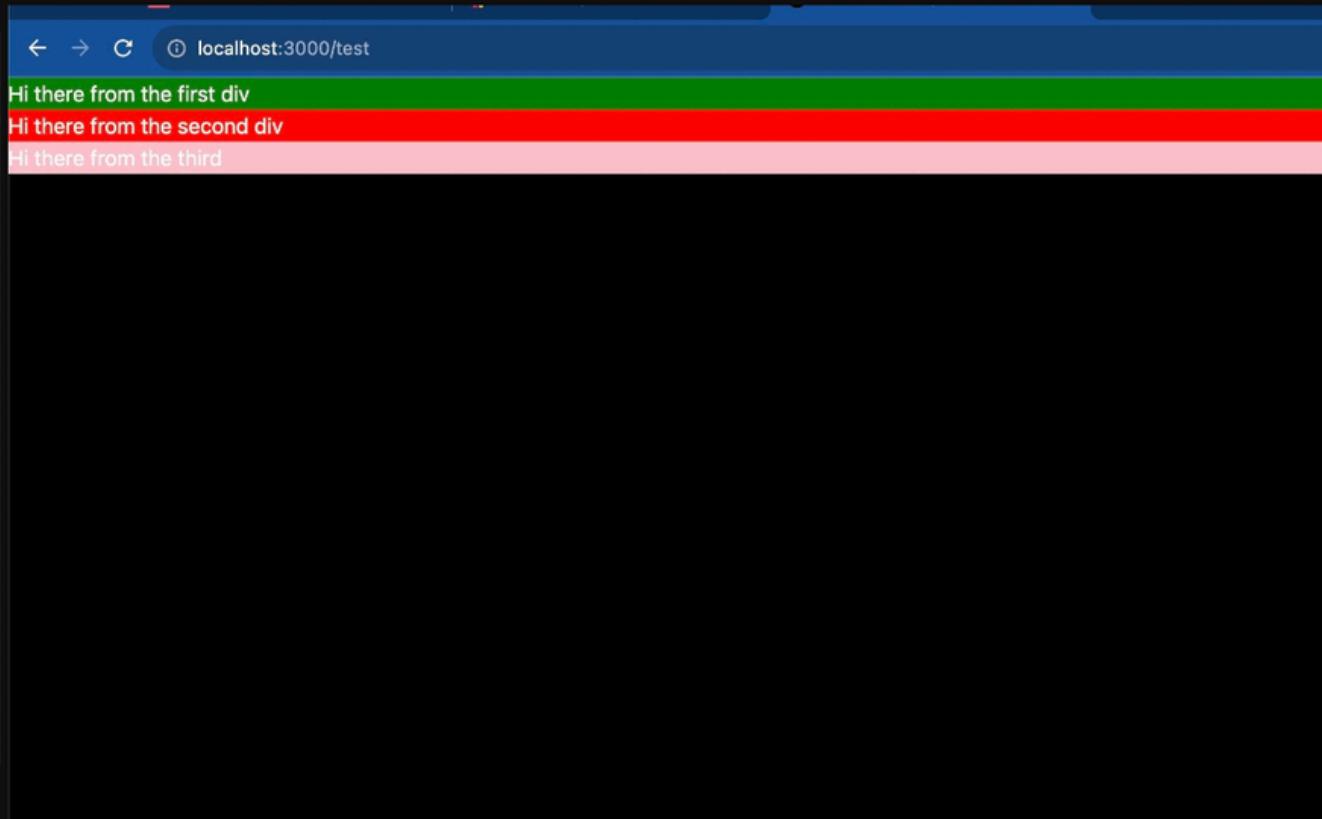
tailwindcss

Things to know in a frontend framework

1. Flex
2. Grids
3. Responsiveness
4. background color, text color, hover,

Flex

```
1
2 export default function Test() {
3     return <div>
4         <div style={{background: "green"}}>
5             |   Hi there from the first div
6         </div>
7         <div style={{background: "red"}}>
8             |   Hi there from the second div
9         </div>
10        <div style={{background: "pink"}}>
11            |   Hi there from the third
12        </div>
13    </div>
14 }
```



Flex

The image shows a split-screen environment. On the left is a code editor displaying a JavaScript file named 'Test.js'. The code defines a function 'Test' that returns a

element with a flex display style. This flex container holds three nested

elements with green, red, and pink backgrounds, each containing the text 'Hi there from the [color] div'. A red box highlights the 'display: flex' line in the CSS. On the right is a browser window titled 'localhost:3000/test' showing the rendered HTML with the same text and styling.

```
2 export default function Test() {
3   return <div style={{display: "flex"}}>
4     <div>
5       <div style={{background: "green"}}>
6         |   Hi there from the first div
7       </div>
8       <div style={{background: "red"}}>
9         |   Hi there from the second div
10      </div>
11      <div style={{background: "pink"}}>
12        |   Hi there from the third
13      </div>
14    </div>
15  </div>
16}
17}
```

Flex

The image shows a split-screen environment. On the left is a code editor with dark mode styling, displaying a file named 'test.tsx'. The code defines a component 'Test' that returns a flex container with three items. The first item has a green background, the second has a red background, and the third has a pink background. Each item contains the text 'Hi there from the [color] div'. A red box highlights the CSS rule 'justifyContent: "space-between"' in the style object of the first item's div. On the right is a browser window titled 'localhost:3000/test' showing the rendered output. The three colored divs are spaced evenly along the horizontal axis.

```
pp / src / pages / < test.tsx > / test / < justifyContent>
export default function Test() {
  return <div style={{display: "flex", justifyContent: "space-between"}}>
    <div style={{background: "green"}}>
      | Hi there from the first div
    </div>
    <div style={{background: "red"}}>
      | Hi there from the second div
    </div>
    <div style={{background: "pink"}}>
      | Hi there from the third
    </div>
  </div>
}
```

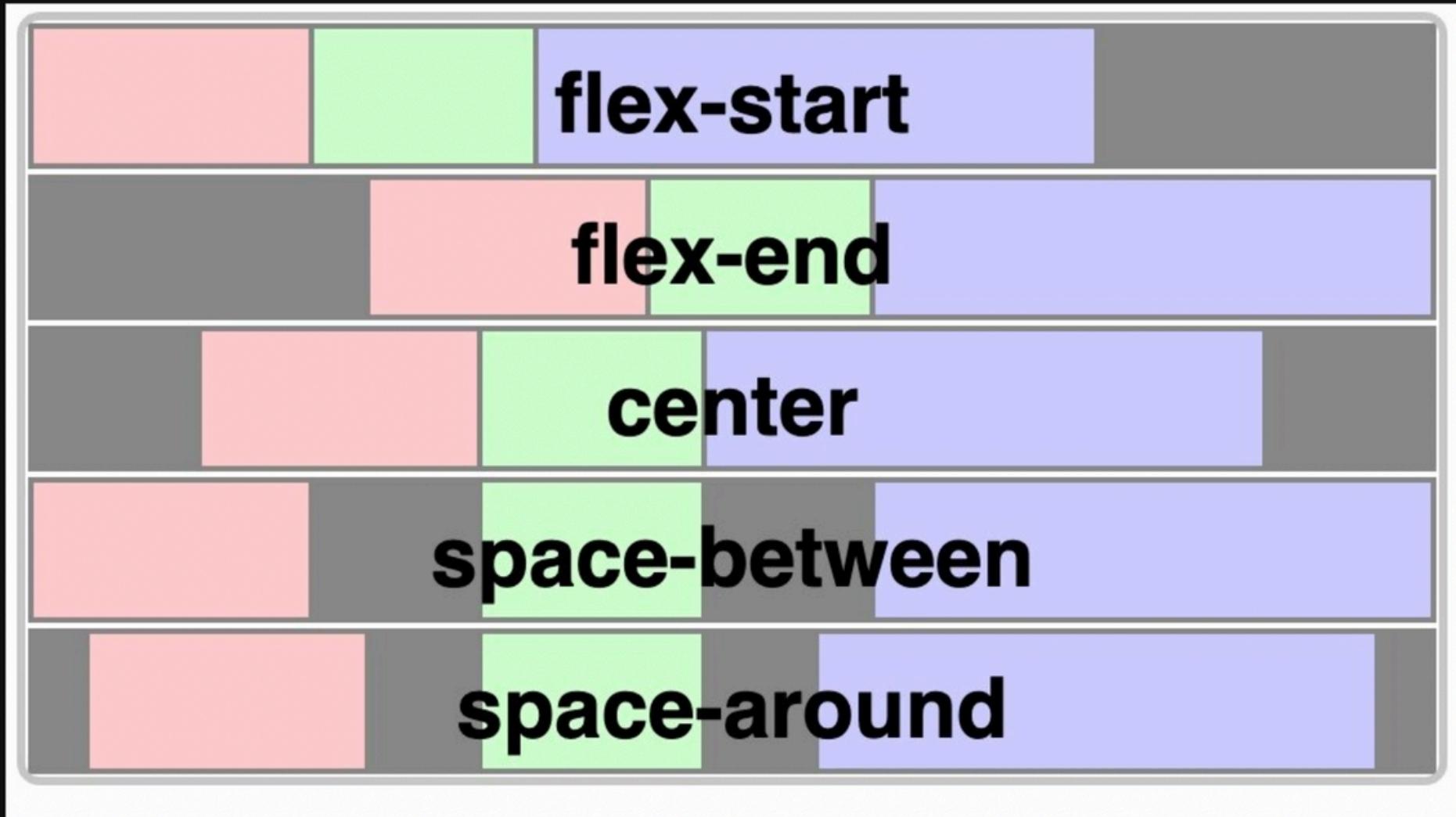
localhost:3000/test

Hi there from the first div

Hi there from the second div

Hi there from the third

Flex



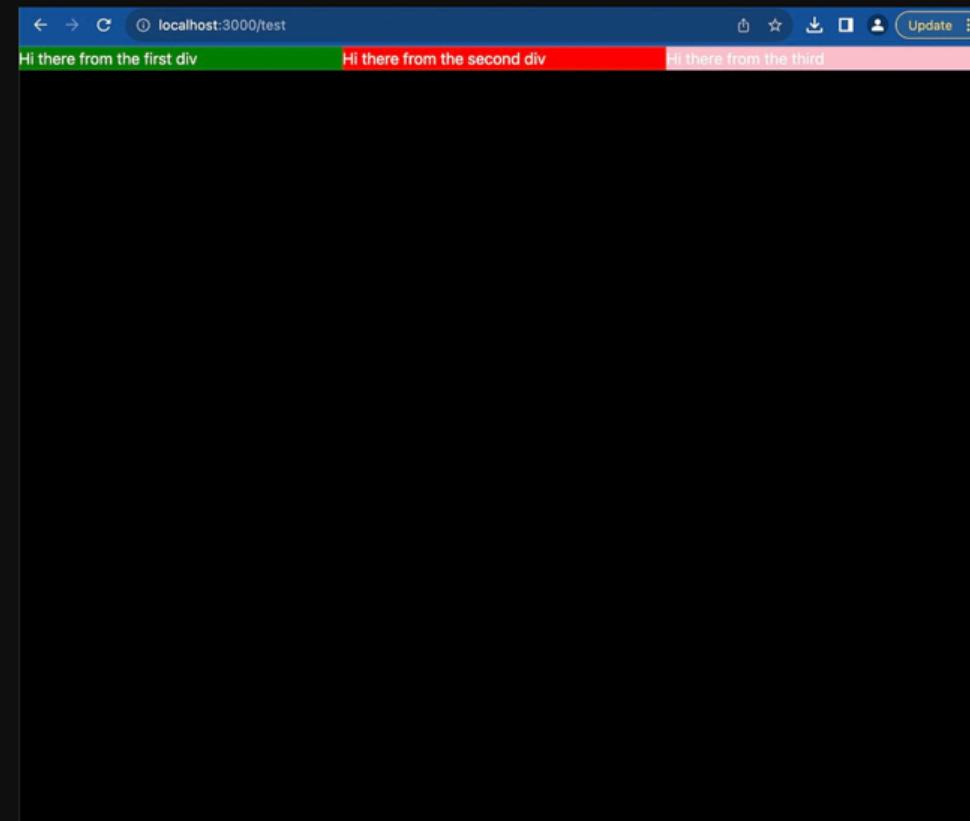
Grids

Grids in tw

Equal widths

my-app > src > pages > `TS` test.tsx > ...

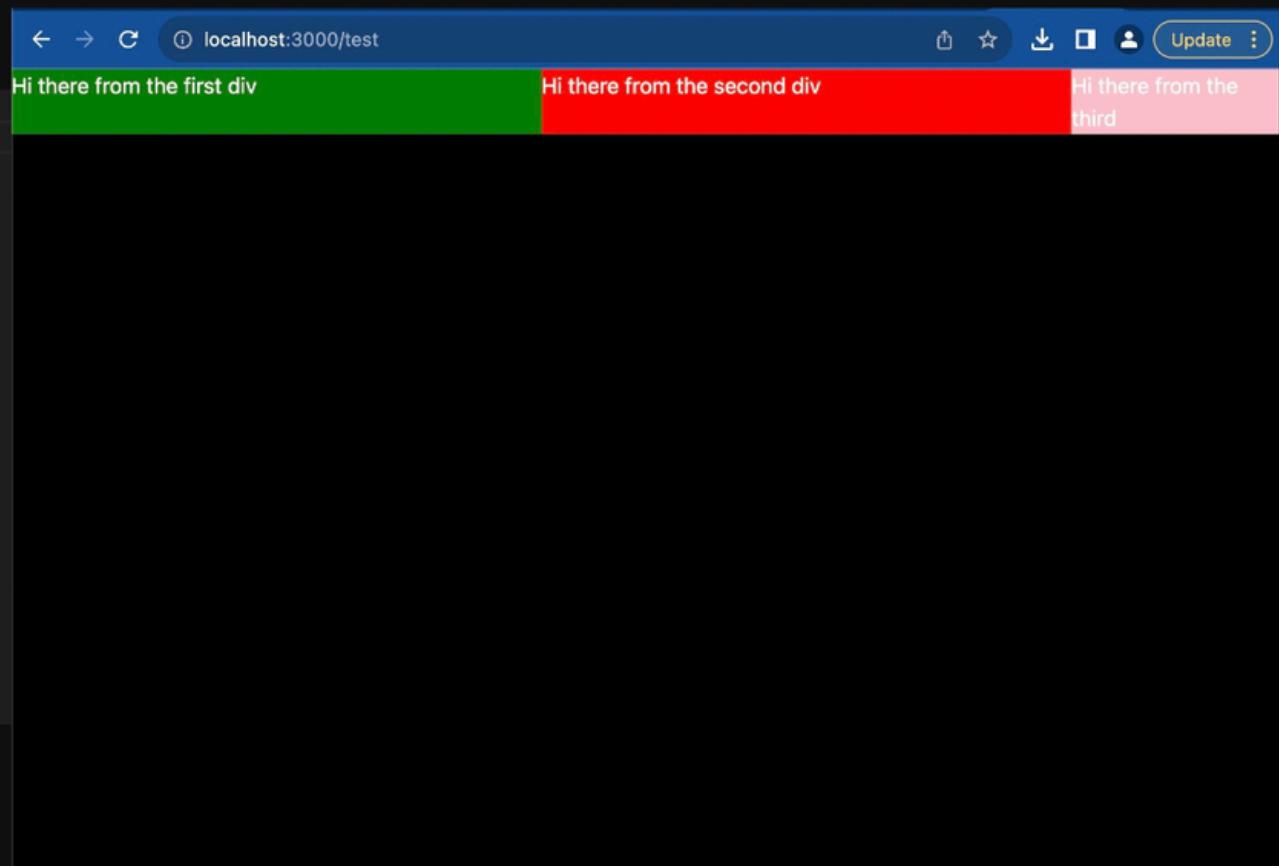
```
1
2  export default function Test() {
3      return <div className="grid grid-cols-3">
4          <div style={{background: "green"}}>
5              Hi there from the first div
6          </div>
7          <div style={{background: "red"}}>
8              Hi there from the second div
9          </div>
10         <div style={{background: "pink"}}>
11             Hi there from the third
12         </div>
13     </div>
14 }
```



Grids in tw

unequal widths

```
my-app > src > pages > test.tsx > ...  
1 |  
2 export default function Test() {  
3     return <div className="grid grid-cols-12">  
4         <div className="col-span-5" style={{background: "green"}}>  
5             Hi there from the first div  
6         </div>  
7         <div className="col-span-5" style={{background: "red"}}>  
8             Hi there from the second div  
9         </div>  
10        <div className="col-span-2" style={{background: "pink"}}>  
11            Hi there from the third  
12        </div>  
13    </div>  
14 }
```



Responsiveness

<https://tailwindcss.com/docs/responsive-design>

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

Mobile first

Working mobile-first

By default, Tailwind uses a mobile-first breakpoint system, similar to what you might be used to in other frameworks like Bootstrap.

What this means is that unprefixed utilities (like `uppercase`) take effect on all screen sizes, while prefixed utilities (like `md:uppercase`) only take effect at the specified breakpoint *and above*.

Targeting mobile screens

Where this approach surprises people most often is that to style something for mobile, you need to use the unprefixed version of a utility, not the `sm:` prefixed version. Don't think of `sm:` as meaning "on small screens", think of it as "at the small *breakpoint*".

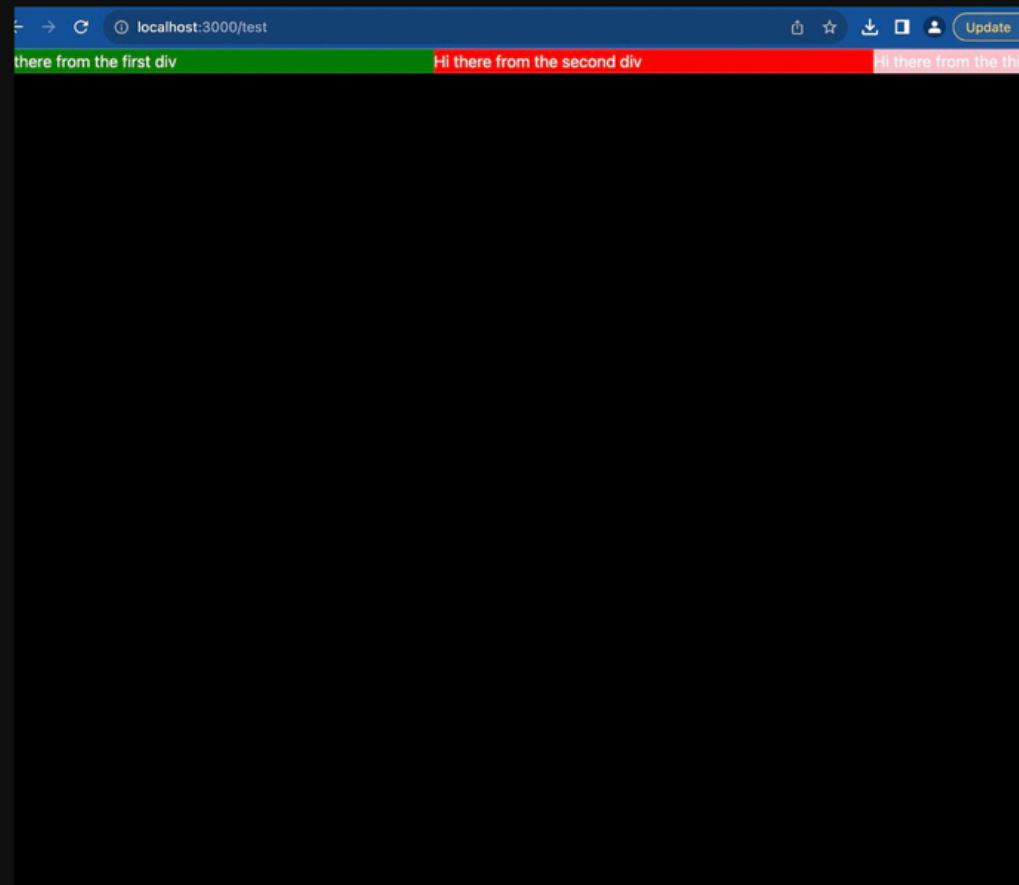
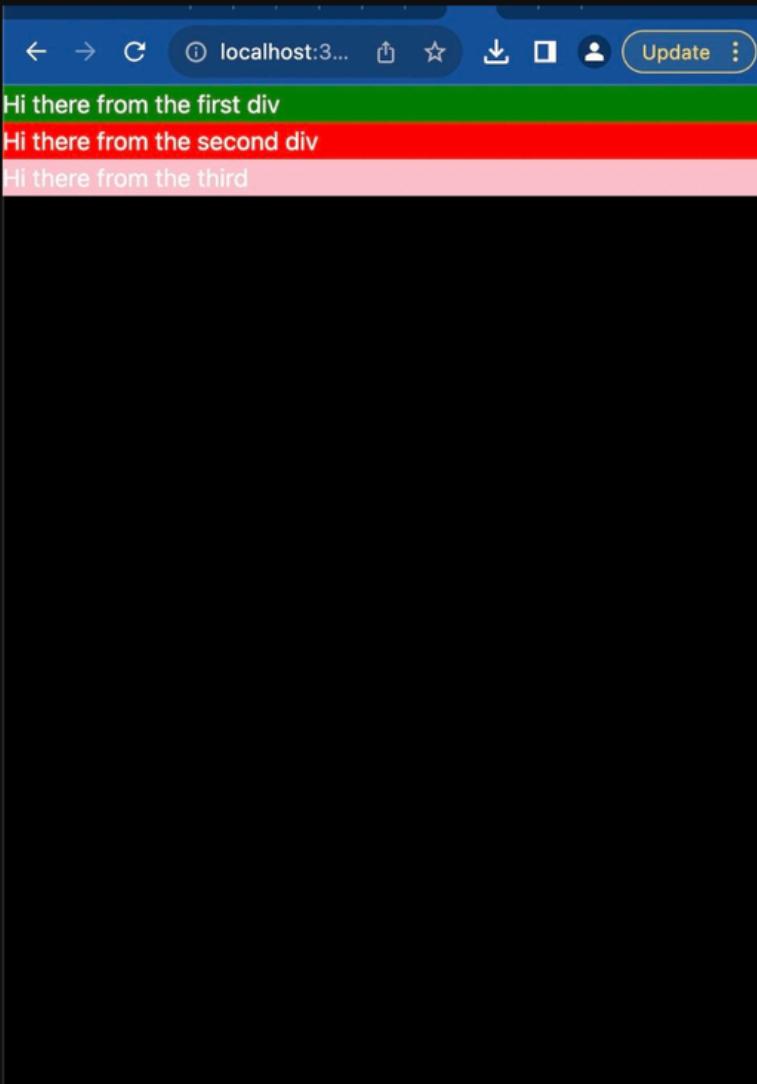
✗ Don't use `sm:` to target mobile devices

```
<!-- This will only center text on screens 640px and wider, not on small screens -->
<div class="sm:text-center"></div>
```

✓ Use unprefixed utilities to target mobile, and override them at larger breakpoints

```
<!-- This will center text on mobile, and left align it on screens 640px and wider -->
<div class="text-center sm:text-left"></div>
```

Use case



Code

```
my-app > src > pages > TS test.tsx > ⚡ Test

1
2  export default function Test() {
3      return <div className="grid grid-cols-12">
4          <div className="col-span-12 md:col-span-5" style={{background: "green"}}>
5              |   Hi there from the first div
6          </div>
7          <div className="col-span-12 md:col-span-5" style={{background: "red"}}>
8              |   Hi there from the second div
9          </div>
10         <div className="col-span-12 md:col-span-2" style={{background: "pink"}}>
11             |   Hi there from the third
12         </div>
13     </div>
14 }
```

Color system

Tailwind includes an expertly-crafted default color palette out-of-the-box that is a great starting point if you don't have your own specific branding in mind.

Slate	
	50 100 200 300 400 500 600 700 800 900 950 #f8fafc #f1f5f9 #e2e8f0 #cbd5e1 #94a3b8 #64748b #475569 #334155 #1e293b #0f172a #020617

Gray	
	50 100 200 300 400 500 600 700 800 900 950 #f9fafb #f3f4f6 #e5e7eb #d1d5db #9ca3af #6b7280 #4b5563 #374151 #1f2937 #111827 #030712

Zinc	
	50 100 200 300 400 500 600 700 800 900 950 #fafafa #f4f4f5 #e4e4e7 #d4d4d8 #a1a1aa #71717a #52525b #3f3f46 #27272a #18181b #09090b

Neutral	
	50 100 200 300 400 500 600 700 800 900 950 #fafafa #f5f5f5 #e5e5e5 #d4d4d4 #a3a3a3 #737373 #525252 #404040 #262626 #171717 #0a0a0a

Stone	
	50 100 200 300 400 500 600 700 800 900 950 #fafaf9 #f5f5f4 #e7e5e4 #d6d3d1 #a8a29e #78716c #57534e #44403c #292524 #1c1917 #0c0a09

Red	
	50 100 200 300 400 500 600 700 800 900 950 #fef7f2 #fee2e2 #fecaca #fcfa5a #f87171 #ef4444 #dc2626 #b91c1c #991b1b #7f1d1d #450a0a

Orange	
	50 100 200 300 400 500 600 700 800 900 950 #fff7ed #ffedad #fed7aa #fdb462 #fb923c #f97316 #ea580c #c2410c #9a3412 #7c2d12 #431407

Extending the config

Extending the colors

```
/** @type {import('tailwindcss').Config} */
export default {
  content: [
    './index.html',
    './src/**/*.{js,ts,jsx,tsx}',
  ],
  theme: {
    extend: {
      colors: {
        red: {
          500: "red"
        }
      },
      screens: {
        md: '768px', // Adjust this to your desired `md` breakpoint
        lg: '1024px', // Adjust this to your desired `lg` breakpoint
      },
    },
    plugins: []
  }
}
```

Changing the breakpoints

Backgrounds/font colors

The image shows a code editor with two side-by-side snippets of JSX code. Both snippets define a function named `Test` which returns a single `<div>` element containing the text "Hi there from the first div".

The left snippet uses inline styles:

```
1 export default function Test() {  
2   return <div style={{background: "green", color: 'red'}}>  
3     | Hi there from the first div  
4   </div>  
5 }
```

The right snippet uses class names:

```
1 app / src / pages / ts test.tsx / ↗ test  
2  
3 export default function Test() {  
4   return <div className="bg-green-500 text-red-500" >  
5     | Hi there from the first div  
6   </div>  
7 }
```

Font size

```
y-app > src > pages > ts test.tsx > ...
1
2 export default function Test() {
3   return <div className="bg-green-500 text-red-500 text-xs" >
4     Hi there from the first div
5   </div>
6 }
```

Typography

Font Size

Utilities for controlling the font size of an element.

Class	Properties
text-xs	font-size: 0.75rem; /* 12px */ line-height: 1rem; /* 16px */
text-sm	font-size: 0.875rem; /* 14px */ line-height: 1.25rem; /* 20px */
text-base	font-size: 1rem; /* 16px */ line-height: 1.5rem; /* 24px */
text-lg	font-size: 1.125rem; /* 18px */ line-height: 1.75rem; /* 28px */
text-xl	font-size: 1.25rem; /* 20px */ line-height: 1.75rem; /* 28px */
text-2xl	font-size: 1.5rem; /* 24px */ line-height: 1.75rem; /* 32px */
text-3xl	font-size: 1.75rem; /* 28px */ line-height: 1.75rem; /* 32px */
text-4xl	font-size: 2rem; /* 32px */ line-height: 1.75rem; /* 32px */
text-5xl	font-size: 2.25rem; /* 36px */ line-height: 1.75rem; /* 36px */
text-6xl	font-size: 2.5rem; /* 40px */ line-height: 1.75rem; /* 40px */

Basic usage

Border radius

Class	Properties
	border-end-start-radius: 0.25rem; /* 4px */
rounded-s-md	border-start-start-radius: 0.375rem; /* 6px */ border-end-start-radius: 0.375rem; /* 6px */
rounded-s-lg	border-start-start-radius: 0.5rem; /* 8px */ border-end-start-radius: 0.5rem; /* 8px */
rounded-s-xl	border-start-start-radius: 0.75rem; /* 12px */ border-end-start-radius: 0.75rem; /* 12px */
rounded-s-2xl	border-start-start-radius: 1rem; /* 16px */ border-end-start-radius: 1rem; /* 16px */
rounded-s-3xl	border-start-start-radius: 1.5rem; /* 24px */ border-end-start-radius: 1.5rem; /* 24px */

Basic usage

Rounded corners

Use utilities like `rounded-sm`, `rounded`, or `rounded-lg` to apply different border radius sizes to an element.

roundedrounded-mdrounded-lgrounded-full



Vanilla to tailwind

```
/-app > src > pages > TS test.tsx > TestNative
1
2 // With tailwind
3 export default function TestTw() {
4   return <div className="bg-green-500 text-red-500 text-xs rounded" >
5     |   Hi there from the first div
6   </div>
7 }
8
9 // Without tailwind
10 export function TestNative() {
11   return <div style={{background: "green", color: "red", fontSize: "12px", borderRadius: "4px"}}>
12     |   Hi there from the first div
13   </div>
14 }
```

Project

Screen #1



Verify Your Age

Please confirm your birth year. This data will not be stored.

Your Birth Year

Continue

Screen #1



Verify Your Age

Please confirm your birth year. This data will not be stored.

27 July 2002

Continue

Screen #2



Let's Get Started

Email Id

Continue

Screen #2



Let's Get Started

prabhleen@gmail.com

Continue

Screen #3



Check Your Email For A Code

Please enter the verification code sent to your email id prabhleen@gmail.com



Verify

Can't find the email? Click [here](#) to resend.

Screen #3



Check Your Email For A Code

Please enter the verification code sent to your email id prabhleen@gmail.com

1 1 2 2 3 3

⌚ 09:32

Verify

Can't find the email? Click [here](#) to resend.

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