

Learn Tailwind

Quick Links:

- On Github: [cssDesignTrail /learn-tailwindcss](https://github.com/cssDesignTrail/learn-tailwindcss)
- Tailwindcss Docs: tailwindcss.com
- Play with Tailwind Css (Tailwind Playground) <https://play.tailwindcss.com>
- ❤️ Tailwind UI has some free components as well: Check here - <https://tailwindui.com/components>
- **TODO_PRINT_THIS:** ❤️ Detecting classes in source files: [Click here](#)
- ❤️ **Recently read sections:**
 - Width: [Click here](#)
 - Forms: [Click here](#) (50% width: `w-1/2`)
- **Used in projects:**
 - In zeno project file I used tailwindcss: - *BetaReleaseApp.tsx*
- Setting up **tailwindcss** is now easiest: <https://tailwindcss.com/docs/guides/create-react-app> .
- Motivation: <https://youtu.be/pfaSUYaSgRo>
- Github code of Fireshipio: <https://github.com/fireship-io/tailwind-dashboard>
- Tailwind Crash Course | Project From Scratch by Traversy media [@ youtube](#), [Code here](#)
- **Related Libs:**
 - TailwindUI
 - Headless [Website](#), [Github 22.2k*](#)
 - Daisyui: [Website](#), [Gitub 24.6*](#)
 - shadcn: [Website](#), [Github 31.3k*](#)
- **In vanilla js project**
 - Watch with tailwindcss: `tailwindcss -w -i ./static/src/main.css -o ./static/dist/main.css --minify` (-w is for watch mode).

❤️ Responsive Breakpoints:

[Click here](#)

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) { ... }

♥ Sahil's Tailwind Cheatsheet

CSS	Tailwind
Some Common classes	text-3xl bg-blue-300 text-black font-bold text-pink-400
Font Size Docs: Docs (with examples) - font-size	text-xs text-sm text-base text-lg text-xl text-2xl text-3xl text-4xl text-5xl text-6xl text-7xl text-8xl text-9xl text-(length:<custom-property> text-(length:--my-text-size) text-[<value>] text-[14px]
position: absolute top: 10px; left: -15px	absolute top-[10px] left-[-15px] <i>(Note: writing px is necessary)</i>
width: 100% width: 740px text italics	w-full w-[740px] italic
display: block; display: none;	block hidden
♥ display: flex Docs (with examples) - flex-direction flex-direction: row (default) flex-direction: column flex-direction: row-reverse flex-direction: column-reverse Docs (with examples) - justify-content justify-content: space-between	flex flex-row (default) flex-col flex-row-reverse flex-col-reverse justify-between justify-center

justify-content: center justify-content: flex-start; <i>(default)</i> justify-content: flex-end; justify-content: stretch; Docs (with examples) - align-items align-items: stretch; <i>(default)</i> ... same as justify-content Docs (with examples) - flex-wrap flex-wrap: nowrap; <i>(default)</i> flex-wrap: wrap; Docs (with examples) - align-content content-stretch <i>(default)</i> ... same as justify-content Docs (with examples) - flex-grow flex-grow: 1; flex-grow: <number>; grow-[<value>] grow-(<custom-property>) Docs (with examples) - flex-shrink flex-shrink: 1; flex-shrink: <number>; flex-shrink: var(<custom-property>); Docs (with examples) - flex-basis flex-basis: auto; Docs (with examples) - order order: <number>; order: calc(-infinity); order: calc(infinity); order: none Shorthand - Docs (with examples) - flex flex: <number>; flex: <fraction> flex: 1 1 auto; flex: 0 1 auto; flex: none;	justify-start <i>(default)</i> justify-end justify-stretch items-stretch <i>(default)</i> ... same as justify-content flex-nowrap <i>(default)</i> flex-wrap align-content: stretch; <i>(default)</i> ... same as justify-content grow grow-<number> flex-grow: <value>; flex-grow: var(<custom-property>); shrink shrink-<number> shrink-(<custom-property>) basis-auto order-<number> order-first order-last order: 0; flex-<number> flex: calc(<fraction> * 100%); flex-auto flex-initial flex-none
♥(Note: I suggest using plain CSS instead of tw classes). display: grid Docs (with examples) grid-template-columns: repeat(<number>, minmax(0, 1fr));	grid grid-cols-<number>

grid-template-columns: none; grid-template-columns: <value>; Docs (with examples) grid-template-rows: repeat(<number>, minmax(0, 1fr)); grid-template-rows: none; grid-template-rows: <value>; Docs (with examples) grid-column-start: <value>; grid-column-end: <value>; Docs (with examples) grid-row-start: <value>; grid-row-end: <value>;	grid-cols-none grid-cols-[<value>] grid-rows-<number> grid-rows-none grid-rows-[<value>] col-start-[<value>] col-end-[<value>] row-start-[<value>] row-end-[<value>]
light gray text color warning text color success text color danger red text color css variable as text color css variable as background color Media Queries: m-5 sm:m-5 (mobile first way: check docs here)	text-gray-400 text-orange-400 text-lime-400 text-red-600 text-[var(--primary)] bg-[var(--secondary)]
margin-top: 20px	mt-[20px]
Docs - padding Below classes apply for p-0, px-0, py-0, ps-0, pe-0, pt-0, pr-0, pb-0, pl-0 Learn: This is simply a table of 4, 8, 16 upto 96. padding-left: pl-0 = 0px pl-px = 1px pl-0.5 = 2px pl-1 = 4px pl-1.5 = 6px pl-2 = 8px pl-2.5 = 10px pl-3 = 12px pl-3.5 = 14px pl-4 = 16px pl-5 = 20px pl-6 = 24px pl-7 = 28px	

8 = **32px**
9 = **36px**
10 = **40px**
11 = 44px
12 = 48px
13
14 = 56px
15
16 = 64px
After **pl-16** we have a table of 4 i.e.
- **pl-20**(+16px)
- **pl-24** (+16px)
- **pl-28**(+16px) up to **pl-80**.
20 = 80px
24 = 96px
28 = 112px
32 = 128px
36 = 144px
40 = **160px**
44 = 176px
48 = 192px
52 = 208px
56 = 224px
60 = **240px**
64 = 256px
68 = 288px
70 = **320px**
76 = 384px (+64px)

8 Essential JavaScript Animation Techniques for Modern Web Development

Article at dev.to: [Click here](#)

★ 9 Clever Tailwind Code Snippets for Faster Development

Article at dev.to: [Click here](#)

1. The Perfect Centered Container
2. Responsive Grid Layout
3. Stylish Button with Hover Effect

4. Responsive Navigation Menu
5. Card Component with Hover Effect
6. Responsive Pricing Table
7. Animated Loading Spinner
8. Responsive Image Gallery
9. Customizable Alert Component

Lovely Tailwind Plugins

Jan 10, 2025

My Demo of tailwind plugins -

<https://tailwind-plugins-demo.vercel.app>

1. ❤️ tailwindcss-typography - @tailwindcss/typography
 - **Typography** is the art and technique of arranging type to make written language legible, readable, and visually appealing. It involves font selection, spacing, alignment, hierarchy, and color to convey meaning and aesthetics effectively.
 - 🌟❤️ Demo: <https://tailwindcss-typography.vercel.app/>
 - Article - <https://tailwindcss.com/blog/tailwindcss-typography>
 - Package and Docs: <https://github.com/tailwindlabs/tailwindcss-typography>
2. tailwindcss-forms - @tailwindcss/forms
 - 🌟❤️ Demo: <https://tailwindcss-forms.vercel.app/kitchen-sink.html>
 - Package and Docs: <https://github.com/tailwindlabs/tailwindcss-forms>
3. tailwindcss-container-queries - @tailwindcss/container-queries

Using Negative negative margins

Tags: *Using negative values:*

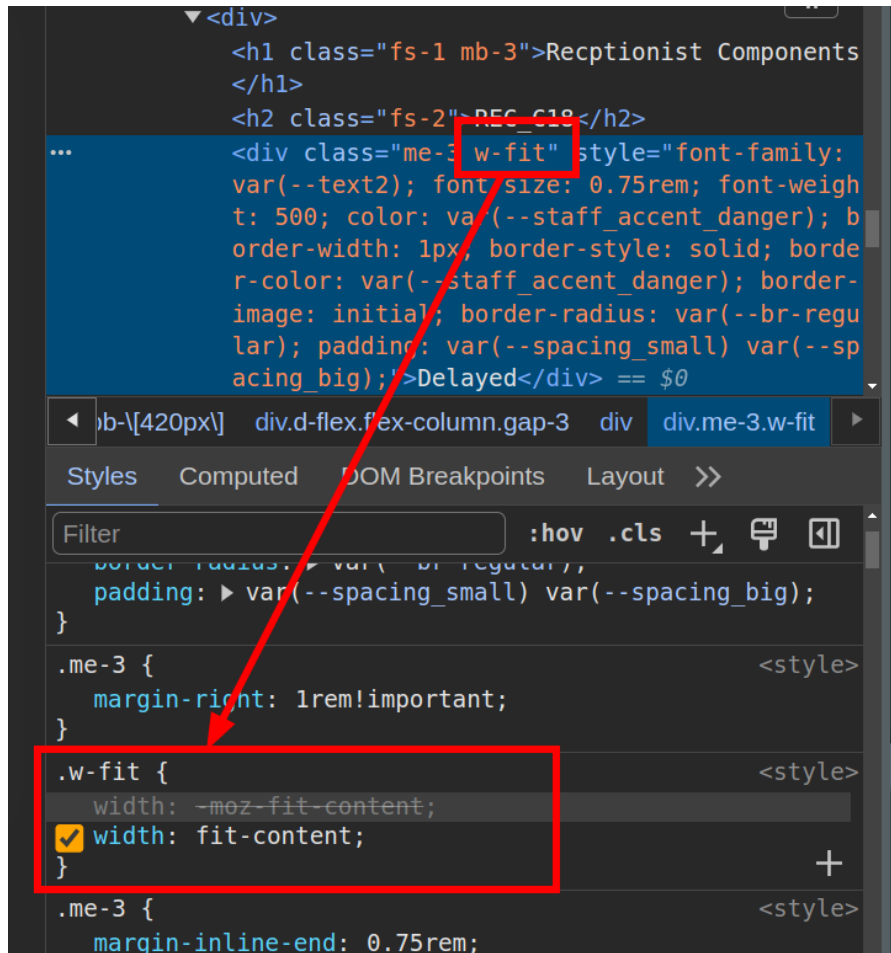
`-mx-3`

`w-fit` works for all chrome, firefox, and safari (tested)

No need to add multiple classes like below:

```
width: fit-content;
width: -webkit-fill-available;
width: -moz-available;
```

as we can see tailwind manages this automatically:



Css to Tailwind Converters

Vscode Extension: [Click here](#)

- Github (63*): <https://github.com/Jackardios/vscode-css-to-tailwindcss>

Web

1. Site: <https://transform.tools/css-to-tailwind>
 - a. Github (6.5k*): <https://github.com/ritz078/transform>
2. Site: <https://tailwind-converter.netlify.app/>
 - a. Github (238*): <https://github.com/stevezease/tailwind-converter>
3. Site: <https://www.loopple.com/tools/css-to-tailwind-converter>
4. Site: <https://tailwindconverter.app/>
 - a. Github (24*): <https://github.com/kt474/tailwind-converter>

Vscode: Fix tailwind error in css files in settings.json file

For below css error in `.css` and `.svelte` files:

```
li {  
  @apply mt-8 font-bold underline;  
}  
.tailwind-docs {  
  @apply text-xs text-blue-500 underline;  
}
```

use below code:

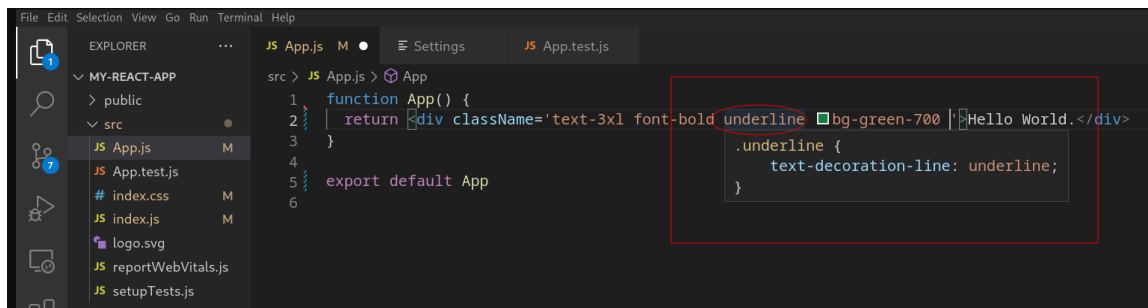
```
// Fix tailwind error in css files:  
//      Error: Unknown at rule @applycss(unknownAtRules)  
"css.lint.unknownAtRules": "ignore"
```

Grid

```
<div className='grid grid-cols-3'>  
  <REC_C3 className="" roomNumber={5548} roomFacilities={'AC | Double  
Bed'} />  
</div>
```

Miscellaneous

1. You can hover any classname in vscode to get its compiled css for any pseudo class like that:



2. How does the group thing work?

FYI: The sidebar-tooltip custom pseudo class has `scale-0` property which makes it hidden (size zero) by default. So hovering the parent element (i.e., having a class group) will make the sidebar-tooltip element have `scale-100` i.e., expand to its full size.

```
const SidebarIcon = ({icon, text = 'tooltip'}) => {
  return (
    <div className='sidebar-icon group'>
      {icon}
      <span className='sidebar-tooltip group-hover:scale-100'>{text}</span>
    </div>
  )
}
```

3. How can you make your own pseudo classes with layer directive?

The image shows a side-by-side comparison of two files in a code editor. The left file is `SideBar.js` and the right file is `index.css`.

SideBar.js (Left):

```
src > # SideBarIcon
1 import {BsPlus, BsFillLightningFill, BsGearFill} from 'react-icons/bs'
2 import {FaFire, FaPoo} from 'react-icons/fa'
3
4 function SidebarBar() {
5   return (
6     <div className='fixed flex flex-col top-0 left-0 h-screen w-16 bg-p
7       <SidebarIcon icon={FaFire size='28' /> />
8       <Divider />
9       <SidebarIcon icon={BsPlus size='32' /> />
10      <SidebarIcon icon={BsFillLightningFill size='20' /> />
11      <SidebarIcon icon={FaPoo size='20' /> />
12      <Divider />
13      <SidebarIcon icon={BsGearFill size='22' /> />
14    ) />
15  )
16
17 const SidebarIcon = ({icon, text = 'tooltip'}) => {
18   return (
19     <div className='sidebar-icon group'>
20       <div className='flex items-center justify-center'>
21         <span className='text-2xl'>{icon}</span>
22         <span className='text-sm'>{text}</span>
23       </div>
24     </div>
25   )
26
27 const Divider = () => <hr className='border-t-1px border-gray-200' />
28
29 // How group thing working above?
30 // Ans. We apply group to parent and then use variant 'group-hover' to track
31 export default SidebarBar
```

index.css (Right):

```
src > # index.css
1 @tailwind base;
2 @tailwind components;
3 @tailwind utilities;
4
5 @layer components {
6   .sidebar-icon {
7     @apply relative flex items-center justify-center;
8   }
9
10  .sidebar-tooltip {
11    @apply absolute w-auto p-2 m-2 min-w-max left-0 top-0;
12
13    /* LEARN1: Note: We're giving scale-0 by default
14     * Learn: Sahil: Try what actually scale property
15     */
16
17    /* LEARN2: We can't use hover over an invisible element
18     * BUT IMPORTANT THIS TO NOTE, is that 'group' do
19     */
20
21    /* SO NOW SIMPLY GO TO Sidebar.js file to see how
22     * we are using 'group' and 'group-hover'
23     */
24  }
25
26  .sidebar-hr {
27    @apply bg-gray-200 dark:bg-gray-800 border;
28  }
29
30  .content-container {
31    @apply flex flex-col bg-gray-300 dark:bg-gray-800;
32
33    /* Giving margin of 16 units from left coz our
34     * content is inside a div with class 'flex-grow-1'
35     */
36    /* FYI: We chose ^^^^ margin-left as 16 units
37     */
38  }
39
40 }
```

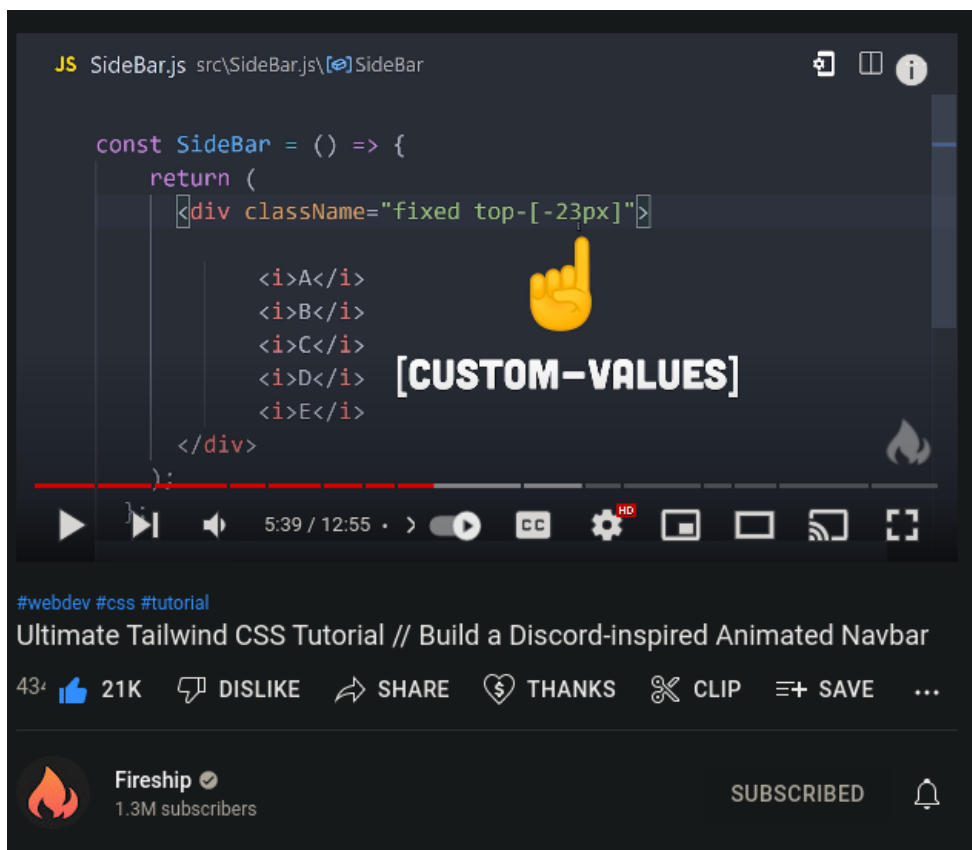
Red arrows indicate the mapping between the CSS classes and the HTML elements in the JavaScript code:

- From `.sidebar-icon` in CSS to the `<div className='sidebar-icon group'>` in JS.
- From `.sidebar-tooltip` in CSS to the `<span className='text-sm'>{text}</span>` in JS.
- From `.sidebar-hr` in CSS to the `<hr className='border-t-1px border-gray-200' />` in JS.

4. How any duplicate class added throws compiler error, amazing though:

```
JS App.js 2, M • Settings JS App.test.js
src > JS App.js > App
1 function App() {
2   return <div className="bg-green-700 bg-red-600">Hello World.</div> 'bg-green-700' applies the same CSS properties as 'bg-red-600'.
3 }
4
5 export default App
6
```

5. How do custom values in Tailwind work?



6. Media queries made easy:

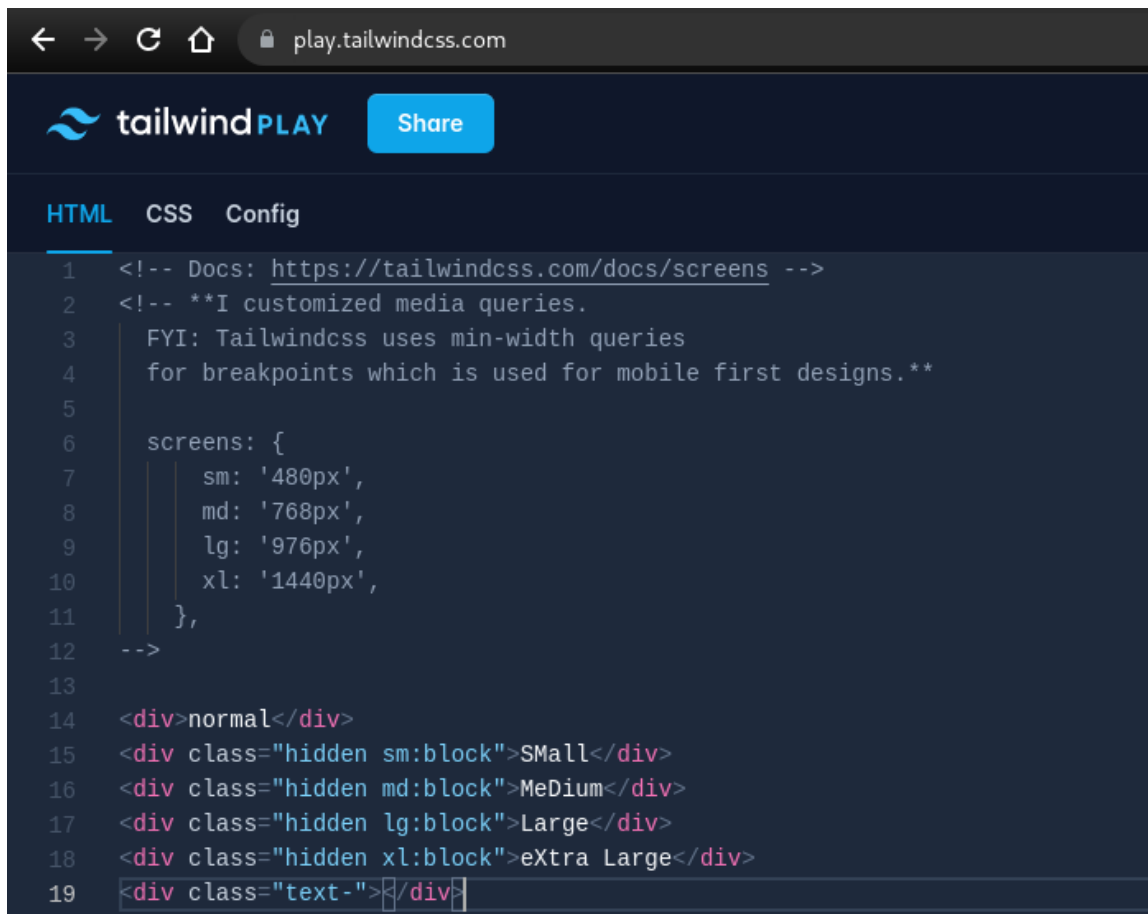
```

<div class="hidden md:flex space-x-6">
  <a href="#" class="hover:text-darkGrayishBlue">Pricing</a>
  <a href="#" class="hover:text-darkGrayishBlue">Product</a>
  <a href="#" class="hover:text-darkGrayishBlue">About Us</a>
  <a href="#" class="hover:text-darkGrayishBlue">Careers</a>
  <a href="#" class="hover:text-darkGrayishBlue">Community</a>
</div>
<!-- Button -->
<a
  href="#"
  class="hidden md:block p-3 px-6 pt-2 text-white bg-brightRed
    rounded-full baseline hover:bg-brightRedLight"
  >Get Started</a>
>
</div>

```

This is like mobile-first design approach i.e., the element will be hidden by default but will change to flex/block on medium and upper size screens.

7. Testing screen/custom media queries: [Open in Tailwindcss playground here](#)



The screenshot shows the TailwindCSS Play web application. The browser address bar displays 'play.tailwindcss.com'. The interface has a dark theme with a 'tailwindPLAY' logo and a 'Share' button at the top. Below the logo, there are tabs for 'HTML', 'CSS', and 'Config', with 'HTML' currently selected. The main area contains a code editor with the following content:

```
1 <!-- Docs: https://tailwindcss.com/docs/screens -->
2 <!-- **I customized media queries.
3     FYI: Tailwindcss uses min-width queries
4     for breakpoints which is used for mobile first designs.**
5
6     screens: {
7         sm: '480px',
8         md: '768px',
9         lg: '976px',
10        xl: '1440px',
11    },
12 -->
13
14 <div>normal</div>
15 <div class="hidden sm:block">SMall</div>
16 <div class="hidden md:block">MeDium</div>
17 <div class="hidden lg:block">Large</div>
18 <div class="hidden xl:block">eXtra Large</div>
19 <div class="text-"></div>
```

8. Modifying/Adding our screen sizes i.e., media queries is super easy in tailwindcss:

```

<div class="hidden md:flex space-x-6">
  <a href="#" class="hover:text-darkGrayishBlue">Pricing</a>
  <a href="#" class="hover:text-darkGrayishBlue">Product</a>
  <a href="#" class="hover:text-darkGrayishBlue">About Us</a>
  <a href="#" class="hover:text-darkGrayishBlue">Careers</a>
  <a href="#" class="hover:text-darkGrayishBlue">Community</a>
</div>
<!-- Button -->
<a
  href="#"
  class="hidden md:block p-3 px-6 pt-2 text-white bg-brightRed
    rounded-full baseline hover:bg-brightRedLight"
  >Get Started</a>
>
</div>

```

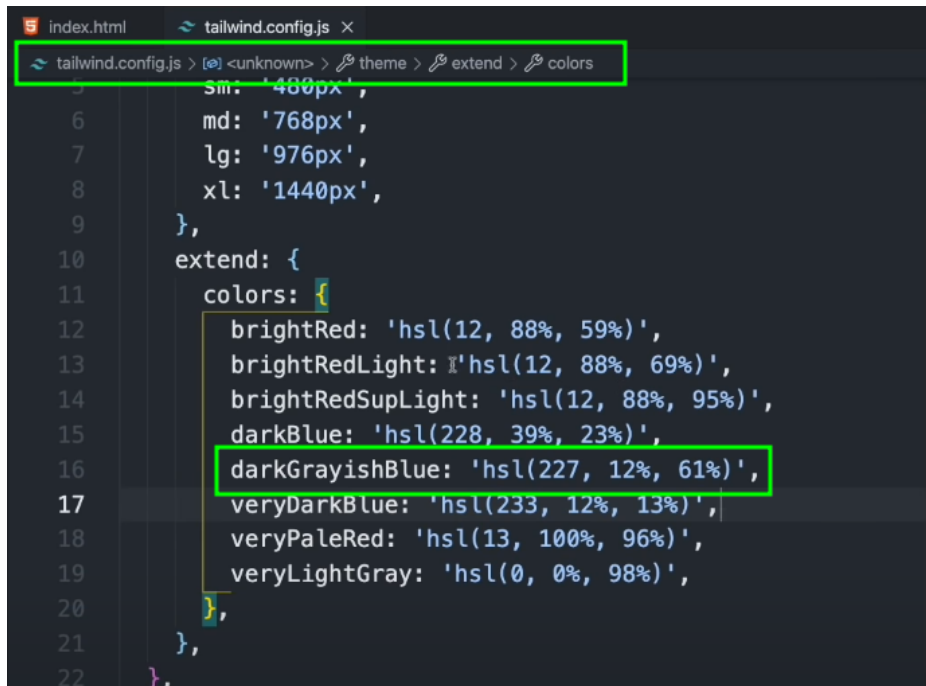
This is like mobile-first design approach i.e., the element will be hidden by default but will change to flex/block on medium and upper size screens.

9. Using custom colors in tailwindcss:

```

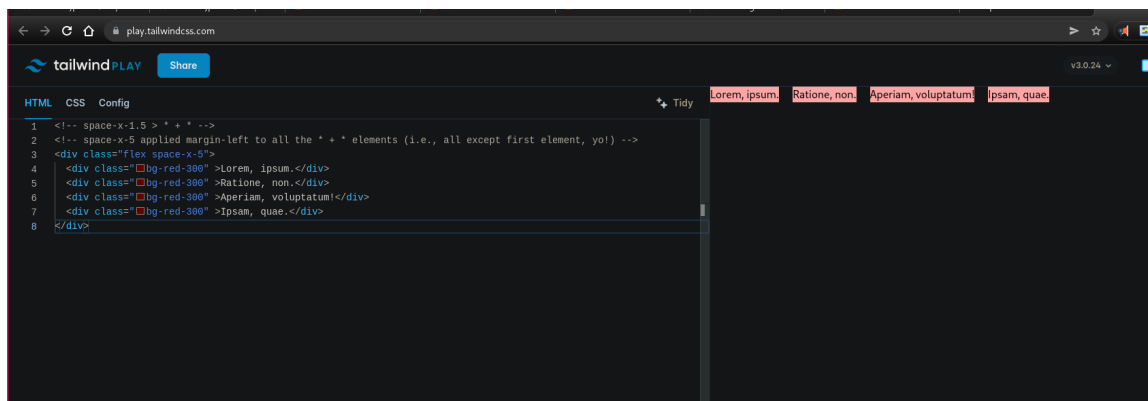
<div class="hidden md:flex space-x-6">
  <a href="#" class="hover:text-darkGrayishBlue">Pricing</a>
  <a href="#" class="hover:text-darkGrayishBlue">Product</a>
  <a href="#" class="hover:text-darkGrayishBlue">About Us</a>
  <a href="#" class="hover:text-darkGrayishBlue">Careers</a>
  <a href="#" class="hover:text-darkGrayishBlue">Community</a>
</div>

```



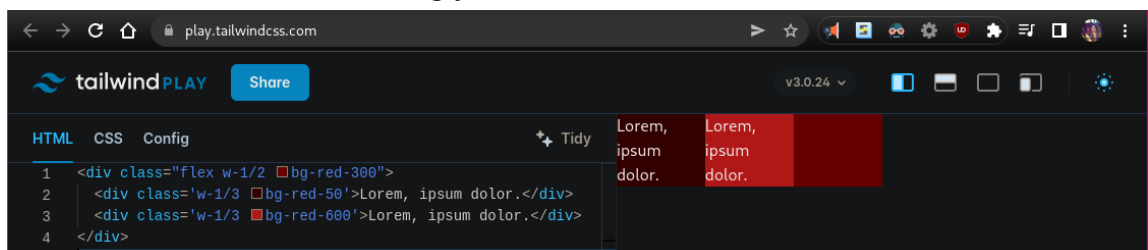
```
tailwind.config.js > [?] <unknown> > theme > extend > colors
5 sm: '480px',
6 md: '768px',
7 lg: '976px',
8 xl: '1440px',
9 },
10 extend: {
11   colors: {
12     brightRed: 'hsl(12, 88%, 59%)',
13     brightRedLight: 'hsl(12, 88%, 69%)',
14     brightRedSupLight: 'hsl(12, 88%, 95%)',
15     darkBlue: 'hsl(228, 39%, 23%)',
16     darkGrayishBlue: 'hsl(227, 12%, 61%)',
17     veryDarkBlue: 'hsl(233, 12%, 13%)',
18     veryPaleRed: 'hsl(13, 100%, 96%)',
19     veryLightGray: 'hsl(0, 0%, 98%)',
20   },
21 },
22 }
```

10. Simplistic use of complex writing of * + * operator with space-x- keyword: [Docs](#)



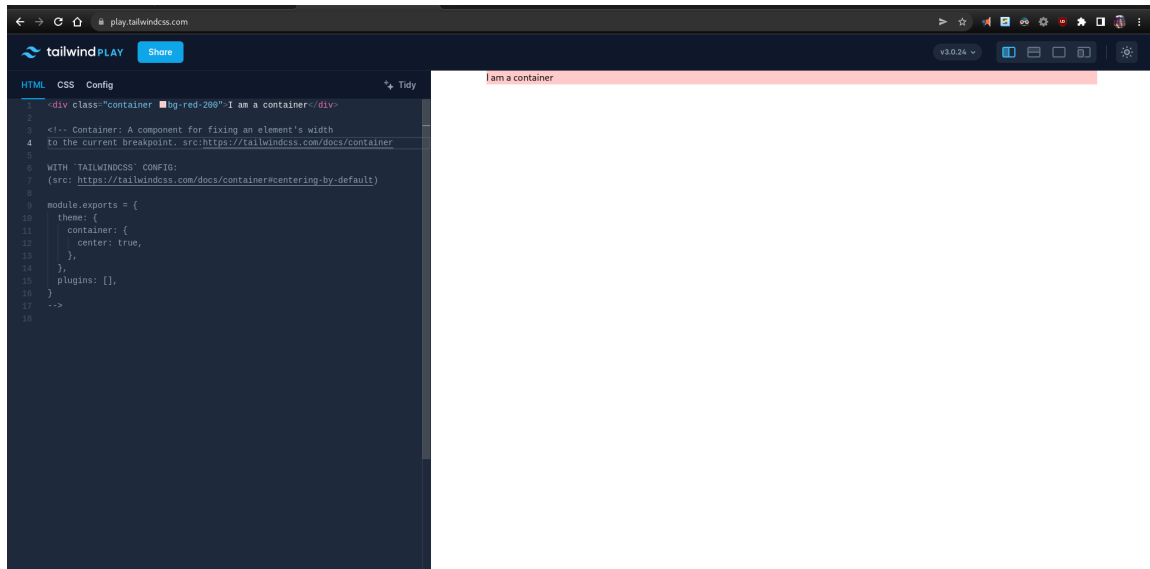
```
HTML CSS Config
1 <!-- space-x-1.5 > * + * -->
2 <!-- space-x-5 applied margin-left to all the * + * elements (i.e., all except first element, yo!) -->
3 <div class="flex space-x-5">
4   <div class="bg-red-300">Lorem, ipsum.</div>
5   <div class="bg-red-300">Ratione, non.</div>
6   <div class="bg-red-300">Aperiam, voluptatum.</div>
7   <div class="bg-red-300">Ipsam, quae.</div>
8 </div>
```

11. How w/2, w/3 works so amazingly:



```
HTML CSS Config
1 <div class="flex w-1/2 bg-red-300">
2   <div class="w-1/3 bg-red-50">Lorem, ipsum dolor.</div>
3   <div class="w-1/3 bg-red-600">Lorem, ipsum dolor.</div>
4 </div>
```

12. What is [container class](#): For tailwindcss playground [click here](#).



Thanks