

Customizing Tailwind CSS using tailwind.config.js file: Tailwind Tutorial #12

In this article, you will get an absolute guide on how you can interpret the configure file of Tailwind CSS to add your custom property values. You can check out the process of setting up Tailwind CSS for production by clicking [here](#). Let's get started with this tutorial-

Tailwind Configuration

One can use the 'Tailwind Configuration' feature to customize the Tailwind CSS according to his/her liking by simply manipulating the configure file of Tailwind CSS. This means that one can add custom values of margin, border, colour, screen breakpoints, colors, etc. Eventually, the Complete control of Tailwind CSS customization properties lies in your hands.

Scaffolding the default configuration

You can add the complete configuration file, such that it comprises all the Tailwind's default configuration, in your application by using the below command. In the below example, the name of the configuration file has been set to 'confHarry'. However, you can swap it with the name you wish to provide to your configuration file.

```
npx tailwindcss init confHarry --full
```

Result: After the execution of the above command, A 'confHarry' text file containing the entire default configuration of Tailwind CSS will be created. Let's understand how one can use this file to customize their Tailwind Configuration.

Overview - ConfHarry File

In the Theme section of the 'confHarry' file, a number of properties such as colors, screens, spacing, columns, etc have been provided. You might have noticed that some of the values are missing in the listings. For example, In the spacing section, a bunch of values with different CSS properties have been provided but the value 13 is missing as shown below-

```
9: '2.25rem',
10: '2.5rem',
11: '2.75rem',
12: '3rem',|
14: '3.5rem',
16: '4rem',
20: '5rem',
24: '6rem',
28: '7rem',
```

→ '13','15' etc values are missing

Figure 1.1: Overview: ConfHarry File

Adding Custom Values

Perhaps, one can wish to add some custom values with desired CSS properties. For example, In the above case, An individual might wish to add the '13' value with the 3.25 rem CSS custom properties. You can do so as shown below-

```
module.exports = {  
  content: ["*"],  
  theme: {  
    extend: {  
      spacing: {  
        13: '3.25rem'  
      }  
    },  
  },  
  plugins: [],  
}
```

In Tailwindconfig.js

→ **Inside the Extend Section of the Theme**

→ **Adding Custom Spacing values**

Figure1.2: Adding Custom spacing Values

Explanation: In the above example, The custom '13' value with '3.5 rem' CSS property is being added as a spacing object inside the 'extend' section of the theme. You can try out assigning the value '13' for the margin in the x-direction of a div container by using the below code-

```
<div class= "mx-13"> This is tera margin</div>
```

Note: While adding a custom value in the config file of Tailwind CSS, Make sure to provide the appropriate value after comparing it with the preceding and the succeeding value.

Adding Custom Font Size

The default value of the font sizes utility class is between the range of 0.75 rem and 8 rem. However, You can easily create custom font sizes classes such as of 10 rem by following the below-mentioned steps-

1. First of all, You have to create a div container to add the utility classes. You can do so by copying the below piece of code-

```
<div class= "mx-13 text-10xl"> This is tera margin</div>
```

Copy

2. After that, In the tailwindconfig.js file, you have to add the 'font size' with the custom value inside the extend section as shown below-

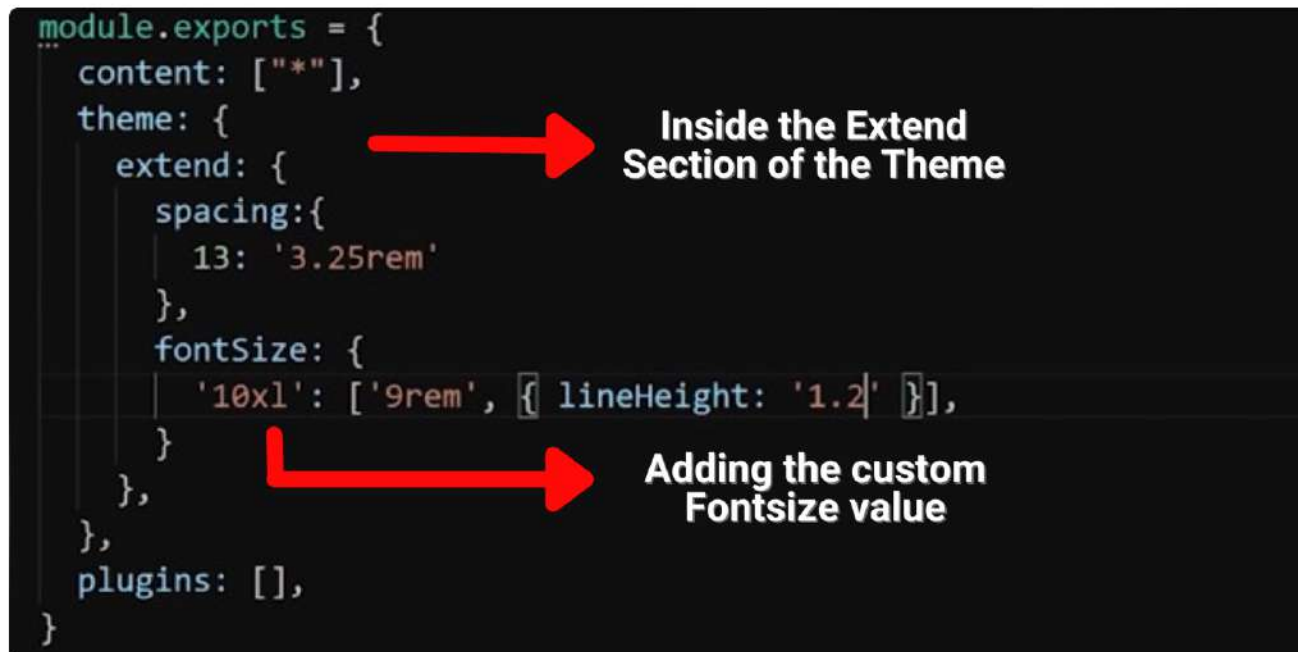


Figure 1.3: Adding Custom Font Size

Note: You can put the font size directly in the Theme section to overwrite the default Classes.

Result: Hence, The custom font size has been successfully added to the text as shown below-

Lorem ipsum, dolor sit amet consectetur adipiscing elit. Deserunt soluta id obcaecati, ut esse assumenda dolorum sequi! Eaque sed harum dolore? Impedit, vitae?

This is tera margin

Figure 1.4: Result: 10xl font size Added

Similarly, Any value from the 'confHarry' file can be easily manipulated by using the above procedure. Thus, Tailwind CSS provides complete style customization authority to the developer. Always remember, that the created 'confHarry' file is used for your reference only and it isn't used by the Tailwind at this instance.

Adding Custom Screen Breakpoints

As we have discussed earlier, breakpoints help you to add any utility class after a particular screen width. You can know more about the Tailwind Breakpoints by clicking [here](#). By default, the sm, md, lg, xl and 2xl breakpoints are provided by Tailwind CSS. Suppose, You wish to create the xsm breakpoint of 500 px then this time you have to add it inside the theme section directly instead of adding it inside the extend section as shown below-



Figure 1.5: Adding Custom Screen Breakpoints

Till now, we have added multiple custom values for different properties in the extend section. Now, to see it in action create a div container and add the xsm class as provided below–

```
<div class= "xsm:bg-red-500 md:bg-purple-500 mx-4 bg-red-900 text-white"> Lorem ipsum d
```

Result:- Hence, The custom screen breakpoint has been successfully added to the div container. Therefore, after crossing the 500px screen width the 'xsm' screen breakpoint gets enabled and provides the container with red colour as shown below. Moreover, on increasing the screen size after 768px the color of the container turns purple as 'md' breakpoint is assigned.

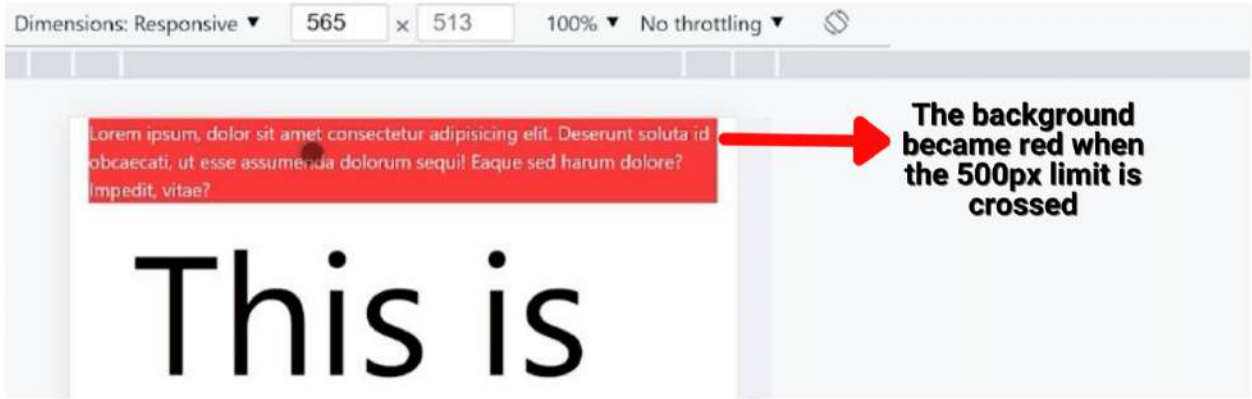


Figure 1.6: Result– Adding the xsm Breakpoint