

Screen Breakpoint Customization in Tailwind CSS v4

◆ What are Breakpoints?

Breakpoints are predefined screen sizes where you can apply different utility styles depending on the screen width. Tailwind uses a mobile-first approach — meaning styles apply to smaller screens by default and are overridden at larger breakpoints.

✓ Default Breakpoints in Tailwind CSS v4

Tailwind v4 uses the following **default breakpoints**:

```
// tailwind.config.js
module.exports = {
  theme: {
    extend: {},
    screens: {
      sm: '640px', // Small devices
      md: '768px', // Medium devices
      lg: '1024px', // Large devices
      xl: '1280px', // Extra large
      '2xl': '1536px' // Extra-extra large
    }
  }
}
```

These are used like:

```
<div class="bg-blue-300 sm:bg-green-300 md:bg-yellow-300 lg:bg-red-300">
  Responsive Background
</div>
```

👉 Custom Default Breakpoints (Override completely)

You can completely override the default breakpoints like this:

```
// tailwind.config.js
module.exports = {
  theme: {
    screens: {
      phone: '480px',
      tablet: '768px',
      laptop: '1024px',
      desktop: '1440px',
    },
  },
}
```

Usage:

```
<div class="bg-pink-200 phone:bg-green-300 tablet:bg-yellow-300 laptop:bg-red-300">
```

```
  Custom Breakpoint Example
```

```
</div>
```

🔧 Extend Breakpoints (add custom breakpoints without removing default)

If you want to **keep the default ones** and just add your own:

```
// tailwind.config.js
module.exports = {
  theme: {
    extend: {
      screens: {
        '3xl': '1800px',
      },
    },
  },
}
```

```
'xs': '475px',
```

```
},
```

```
},
```

```
},
```

```
}
```

Usage:

```
<div class="bg-blue-200 xs:bg-yellow-200 3xl:bg-red-500">
```

Extended Breakpoint Example

```
</div>
```

Interview Questions

Q1: What's the difference between default and extended breakpoints?

- **Default breakpoints** are built-in values Tailwind uses for responsiveness.
- **Extended breakpoints** are custom screen sizes added **alongside** default ones without replacing them.

Q2: What is the mobile-first approach in Tailwind?

Tailwind applies base styles to mobile-first, then overrides them at larger breakpoints (sm, md, etc.).