

A CSS **media query** lets you apply styles based on device properties (like screen width, height, orientation, or resolution). They are mostly used for **responsive design**.

It uses the [@media](#) rule to include a block of CSS properties only if a certain condition is true.

We can add a breakpoint where certain parts of the design will behave differently on each side of the breakpoint.

## Basic Syntax:

```
@media (condition) {  
    /* CSS rules here */  
}
```

## Common Examples

### 1. Screen Width (Responsive)

```
/* For screens up to 600px (mobiles) */  
@media (max-width: 600px) {  
    body {  
        background: lightblue;  
        font-size: 14px;  
    }  
}  
  
/* For screens larger than 600px (tablets & desktops) */  
@media (min-width: 601px) {  
    body {  
        background: lightgreen;  
        font-size: 18px;  
    }  
}
```

### 2. Orientation

```
/* Landscape mode */  
@media (orientation: landscape) {  
    body {  
        background: yellow;  
    }  
}  
  
/* Portrait mode */  
@media (orientation: portrait) {  
    body {  
        background: pink;  
    }  
}
```


### 3. Multiple Conditions

```
/* Tablets only: between 600px and 1024px */  
@media (min-width: 600px) and (max-width: 1024px) {  
    body {  
        background: lightcoral;  
    }  
}
```

## 4. Print Styles

```
@media print {  
  body {  
    background: white;  
    color: black;  
    font-size: 12pt;  
  }  
}
```

There are **two main approaches** in responsive design:

1. **Mobile-First** → Use `min-width` (Recommended )
2. **Desktop-First** → Use `max-width`