

## Media Queries

Done

### Table Of Contents

- [What you will learn](#)
- [Useful Resources](#)
  - [Media queries](#)
  - [CheatSheet](#)
  - [Example on Media Queries in CSS](#)
- [Feedback](#)

Last updated : April, 2nd

### What You Will Learn

- Media Queries : what are they ? how do we use them ?

### Useful Resources

- [Tutorial on Media Queries](#)
- [CSS3 Media Queries Template](#)



### Media Queries

Media queries are a feature of CSS that helps us build responsive websites. The key to designing and building responsive layouts is having your content respond to the device's size (or "medium").

Your CSS can query the "media" (plural of "medium") to find out their sizes and proportions.

When defining a media query, we use the `@media` keyword followed by conditional statements that will trigger the media query to apply or not.

Then you have to specify the media type and the size of the device, for example:

Device "viewport"	Explanation
max-width	CSS will not apply on a screen width wider than specified.
min-width	CSS will not apply on a screen width narrower than specified.
max-height	CSS will not apply on a screen height taller than specified.
min-height	CSS will not apply on a screen height shorter than specified

```
@media screen and (max-width: 600px) {  
  /* apply for screens where the maximum width is 600px  
}
```

```
@media screen and (max-width: 600px) {  
  h1 {  
    color: blue  
  }  
}
```

You can add several size conditions that specify the width range.

Here, the CSS modifications are implemented when the screen size is between 1200 and 1600px.

```
@media screen  
and (min-width: 1200px)  
and (max-width: 1600px) {  
}
```

---

## CheatSheet

```
/*-----  
Responsive Grid Media Queries - 1280, 1024, 768, 480  
1280-1024 - desktop (default grid)  
1024-768 - tablet landscape  
768-480 - tablet  
480-less - phone landscape & smaller  
-----*/  
@media all and (min-width: 1024px) and (max-width: 1280px) { }  
  
@media all and (min-width: 768px) and (max-width: 1024px) { }  
  
@media all and (min-width: 480px) and (max-width: 768px) { }  
  
@media all and (max-width: 480px) { }
```



---

## Example On Media Queries In CSS

### HTML file

```
<!DOCTYPE html>  
<html>  
<head>  
  <title></title>  
  <link rel="stylesheet" type="text/css" href="style.css">  
</head>  
<body>  
  <h1>Media Queries</h1>  
  <div id="div1"></div>  
  <div id="div2"></div>  
  <div id="div3"></div>  
  <div id="div4"></div>  
</body>  
</html>
```

### CSS File

```
div {
    height: 100px;
}

#div1 {
    background-color: red;
}

#div2 {
    background-color: blue;
}

#div3 {
    background-color: green;
}

#div4 {
    background-color: purple;
}

//The logical keywords "not" or "only" can be used optionally to include or exclude specific media
@media only screen and (min-width: 600px) {
    div {
        width: 100%;
    }
}

@media only screen and (min-width: 900px) {
    div {
        width: 50%;
        float: left;
    }
}

@media only screen and (min-width: 1200px) {
    div {
        width: 25%;
        float: left;
    }
}
```

[Back to Top](#)

## Feedback

Tell us what you thought about the chapter: Media Queries



On a scale of 1 to 10, How are you enjoying the DI learning platform?