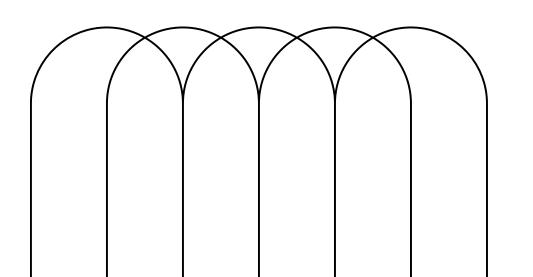
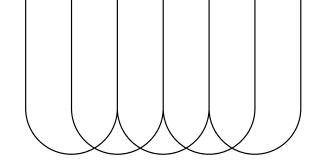




## **CSS - Variables**







## **CSS Variables**

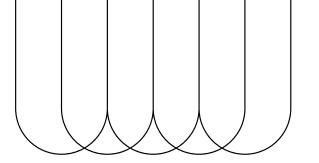
CSS Variables, also known as Custom Properties, are user-defined values in CSS that can be reused throughout a stylesheet. They allow us to store values like colors, fonts, spacing, and more in a single place, making your CSS more maintainable, consistent, and easier to update.

**Syntax:** --variable-name: value;

To use the variable we use var(--variable-name, fallback value)

#### **Example:**

```
:root{
    --primary-color: #0000dd;
    --base-font-size: 18px;
    --body-color: #323437;
}
body{
    color: var(--body-color, #333); /* #323437 */
}
```





### **CSS Variables**

There are two types of variables in css:

Global Variable: Defined inside :root pseudo selector and available throughout the webpage

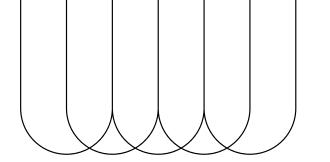
#### **Example:**

```
:root{
    --primary-color: #0000dd;
}
button{ background-color: var(--primary-color); /* #0000dd; */ }
```

Local Variable: Defined inside an element and available only inside that element

#### **Example:**

```
button{
    --accent-color: #0000dd;
    background-color: var(--accent-color) /* #0000dd; */
}
a{ background-color: var(--accent-color, orange); /* --accent-color not available here so orange will be the value here*/}
```

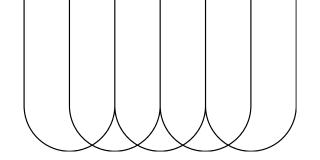




## **CSS Variables**

#### **Why use CSS Variables**

- Reusability: Define once, use anywhere.
- Maintainability: Change in one place reflects everywhere.
- **Dynamic Themes:** Easily switch themes or colors.
- Cleaner Code: Improves readability and structure.





## **CSS Media Queries**

#### **Syntax**

```
@media (media-type) and (media-feature) {
    /* CSS Rules */
}
```

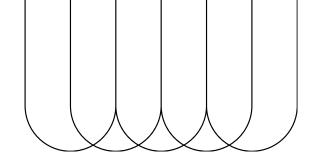
media-type: Specifies the type of device (e.g., all, screen, print, speech)

media-feature: Defines conditions like screen width, height, orientation, resolution, etc.

Logical operators (and, not, only) can be used to combine multiple conditions.

#### Example

```
body {
   background-color: lightblue;
}
@media screen and (max-width: 600px) {
   body {
    background-color: lightcoral;
   }
}
```





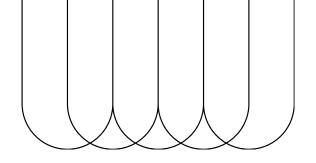
## **CSS Media Query**

#### **Common Media Query Breakpoints**

Breakpoints define the screen sizes at which layout adjustments should occur. While there are no fixed rules, the following breakpoints are widely used:

- Extra small devices (phones): max-width: 576px
- Small devices (tablets): max-width: 768px
- Medium devices (large Tablets / Notebooks): max-width: 992px
- Large devices (desktops): max-width: 1200px
- Extra Large devices (large desktops): max-width: 1400px

```
@media (max-width: 1200px) {
    body { font-size: 18px; }
}
@media (max-width: 992px) {
    body { font-size: 16px; }
}
@media (max-width: 768px) {
    body { font-size: 14px; }
}
```





## **CSS Media Query**

#### **Using Orientation**

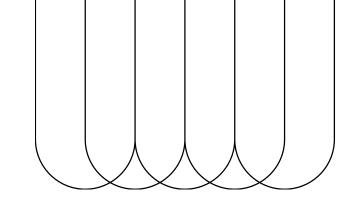
```
@media (orientation: landscape) {
  body { background-color: yellow; }
}
```

#### **Using Resolution**

```
@media (min-resolution: 300dpi) {
   img { width: 100%; }
}
```

#### **Combining Multiple Conditions**

```
@media screen and (min-width: 768px) and (max-width: 1400px) {
   p { font-size: 14px; }
}
```





# THANK YOU

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