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HTML | Color Styles and HSL

Difficulty Level : Easy • Last Updated : 14 Jun, 2022

Colors are used to make the page more attractive. Here are the different styles which can be used to create new colors by combination of different colors.

- **Hexadecimal Style** : In this style, we define the color in 6 digit hexadecimal number (from 0 to F). It is denoted by '#'. The first two digits indicate red color, next two green color and the last two blue color.

Examples : If we want all 'h1' tags of purple color.

```
h1{  
  color:#00FF00;  
}
```

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Example: If we want all 'h1' tags of green color.

```
h1{
    color:rgb(0, 255, 0);
}
```

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Note: rgba(0, 0, 0) is Black color and rgb(255, 255, 255) is White color.

- **RGBA Style [Red Green Blue Alpha] :** This style allows us to make the color transparent according to our will. Alpha indicates the degree of transparency. The range of green, blue and red is from 0 to 255 and that of alpha is from 0 to 1.

Example: If we want all 'h1' tags of green color.

```
h1{
    color:rgba(11, 99, 150, 1);
}
```

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- **HSL colors** : Here 'H' stands for **hue**, 'S' for **Saturation** and 'L' for **Lightness**. HSL color values are specified as:

Syntax:

```
hsl(hue, saturation, lightness)
```

HSL colors value:

1. **Hue** is the color of the image itself. It's range is from 0 to 360. 0 is for red, 120 is for green and 240 is for blue.

Saturation is the intensity/purity of the hue. 0% is for a shade of gray, and 100% is the full color.

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html

```
<!-- Write HTML code here -->
<head>
  <title>GeeksforGeeks</title>
  <style type="text/css">
    h1{
      color:#0FFFFF0;
      background-color: hsl(200, 50%, 20%);
      color: hsl(200, 20%, 90%);

    }
    h4{
      color:rgb(0, 255, 0);
      background-color: hsl(150, 20%, 40%);
      color: hsl(360, 30%, 90%);
    }
    li{
      color:rgba(11, 99, 150, 1);
      background-color: hsl(250, 45%, 60%);
      color: hsl(175, 35%, 87%);
    }
  </style>
</head>
<body>
  <h1>GeeksforGeeks</h1>
  <h4>Programming Languages</h4>
  <ul>
    <li>Java</li>
    <li>C++</li>
    <li>C</li>
  </ul>
</body>
</html>
```



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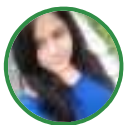
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