

Color Models

RGB

This color model sets a color via three common separated values. The first value sets how much red will be in your color, the second sets how much green, and the third sets how much blue. The model can use either percentages or decimal values.

Percentages: 0%–100%

Examples

```
color: rgb(100%,0%,50%);  
background-color: rgb(0%,50%,50%);
```

Decimal: 0–255.

Examples

```
color: rgb(255,000,127);  
background-color: rgb(151,000,204);
```

RGBA

The “A” at the end of RGB stands for alpha, which allows you to set a color’s opacity. The opacity values can be any number from zero to one. A value of zero sets no opacity or transparent. A value of one creates a fully opaque color. To get values between zero and one set them in decimal points. For instance, a color set to 50% opacity would have an alpha value of point 5, written as “.5”. And 75% opacity would have an alpha value of “.75”.

Example with an alpha value of 50% opacity:

```
color: rgba(255,000,127,.5);
```

HSL

This model is also an RGB model that allows you to set you color by its hue, saturation, and lightness. The hue is a degree value on the color wheel from 0 degrees to 360 degrees. Saturation is a value from 0% to 100%, where 0% is no saturation (gray) and 100% is full saturation. Lightness is also a value from 0% to 100%, where 0% is black and 100% is white.

Common Hue settings

0 or 360 degrees = Red
60 degrees = Yellow
120 degrees = Green
180 degrees = Cyan
240 degrees = Blue

Example

```
Background-color: hsl(240,80,50);
```

HSLA

This is an extension of the HSL color model that allows you to enter a fourth value for opacity.

Example

```
color: hsla(180,80,50,.5);
```

Hexadecimal: 00–FF

This is also an RGB model that use base 16 to set color value's in a six-digit number. The first pair of digits is the red value, the 2nd pair of digits is the green value, and the last pair of digits is the blue value. This model is the quickest to code and is often used by web color mixers.

Unfortunately, because it uses base 16 numbers it can be difficult to comprehend. It doesn't support any alpha values for setting a color's opacity.

Example

```
color: #F90A7F;
```