



# CSS RGB Colors

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## RGB Value

In CSS, a color can be specified as an RGB value, using this formula:

***rgb(red, green, blue)***

Each parameter (red, green, and blue) defines the intensity of the color between 0 and 255.

For example, `rgb(255, 0, 0)` is displayed as red, because red is set to its highest value (255) and the others are set to 0.

To display black, set all color parameters to 0, like this: `rgb(0, 0, 0)`.

To display white, set all color parameters to 255, like this: `rgb(255, 255, 255)`.

Experiment by mixing the RGB values below:

`rgb(255, 99, 71)`

RED



255

GREEN



99

BLUE



71

## Example

`rgb(255, 0, 0)``rgb(0, 0, 255)``rgb(60, 179, 113)``rgb(238, 130, 238)``rgb(255, 165, 0)``rgb(106, 90, 205)`

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Shades of gray are often defined using equal values for all the 3 light sources:

## Example

`rgb(0, 0, 0)`

`rgb(60, 60, 60)`

`rgb(120, 120, 120)`

`rgb(180, 180, 180)`

`rgb(240, 240, 240)`

`rgb(255, 255, 255)`

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## RGBA Value

RGBA color values are an extension of RGB color values with an alpha channel - which specifies the opacity for a color.

An RGBA color value is specified with:

**`rgba(red, green, blue, alpha)`**

The alpha parameter is a number between 0.0 (fully transparent) and 1.0 (not transparent at all):

Experiment by mixing the RGBA values below:

`rgba(255, 99, 71, 0.5)`

RED



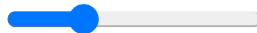
255

GREEN



99

BLUE



71

ALPHA



0.5

Example

`rgba(255, 99, 71, 0)`

`rgba(255, 99, 71, 0.2)`

`rgba(255, 99, 71, 0.4)`

`rgba(255, 99, 71, 0.6)`

`rgba(255, 99, 71, 0.8)`

`rgba(255, 99, 71, 1)`

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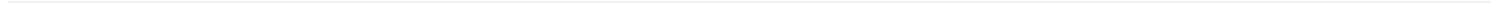
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