

Converting Colors

RGB(88, 215, 80)

Have a look what the booklet for
RGB(88, 215, 80) contains.

RGB(88, 215, 80)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(88, 215, 80)

Conversions

Conversions Part 1

Format	Color
Hex	58D750
RGB	88, 215, 80
RGB Percent	35%, 84%, 31%
CMY	0.6549, 0.1569, 0.6863
CMYK	0.59, 0.00, 0.63, 0.16
HSL	116°, 63%, 58%
HSV	116°, 63%, 84%
XYZ	29.7729, 51.2548, 15.9134
YIQ	161.6370, -32.3570, -68.9090

Conversions

Conversions Part 2

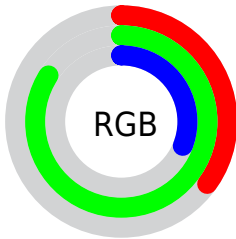
Format	Color
RYB	80, 215, 207
Decimal	5822288
CIELab	76.83, -60.57, 54.71
CIELCh	77, 81.620, 137.912
Yxy	51.2548, 0.3071, 0.5287
Android (android.graphics.Color)	4284012368 (0xFF58D750)
YUV	161.6370, -40.2470, -64.5796
Hunter-Lab	71.5924, -51.0546, 36.9359

Details

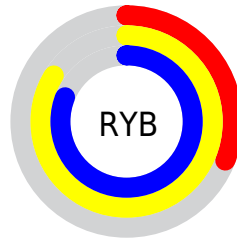
The RGB color **88, 215, 80** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **207, 80, 215**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **149, 255, 134**, and **0, 159, 21** is the 20% darker color. If you saturate the color by 10%, you get **68, 215, 59**, and if you desaturate by 10%, it is **108, 215, 102**.

Distribution



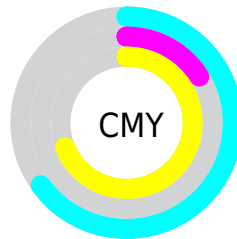
- Red (35%)
- Green (84%)
- Blue (31%)



- Red (31%)
- Yellow (84%)
- Blue (81%)



- Cyan (59%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)



- Cyan (65%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RGB color 88, 215, 80 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 88, 215, 80 by changing the saturation by 10% instead.



88, 215, 80



88, 215, 80

255, 255, 255



53, 187, 53



149, 255, 134



0, 159, 21



179, 255, 162



0, 132, 0



209, 255, 190



0, 106, 0



240, 255, 218



0, 80, 0



255, 255, 247



0, 56, 0



0, 32, 0



0, 0, 0



88, 215, 80



88, 215, 80

 68, 215, 59


 108, 215, 102

 48, 215, 37

 128, 215, 123

 27, 215, 16

 149, 215, 145

 13, 215, 0

 169, 215, 166

 189, 215, 188

 209, 215, 209

 230, 215, 231

 250, 215, 252

 255, 215, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



183, 200, 0



88, 215, 80



0, 223, 155

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88, 215, 80



0, 207, 255



255, 115, 148

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



88, 215, 80



207, 80, 215

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 117, 224



88, 215, 80



122, 183, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88, 215, 80



0, 220, 255



249, 148, 255



255, 143, 78

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 215, 80



0, 225, 208



249, 148, 255



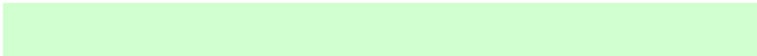
255, 111, 173

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



88, 215, 80



209, 255, 207



215, 206, 80



100, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 215, 80



75, 255, 64



80, 215, 139



97, 107, 96



10, 171, 0



3, 43, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



207, 80, 215



244, 64, 255



215, 80, 156



106, 96, 107



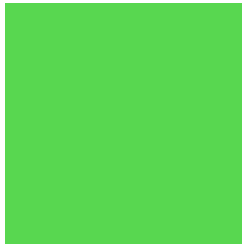
161, 0, 171



41, 0, 43

Previews

White Background



This preview shows how the RGB color 88, 215, 80 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 88, 215, 80 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

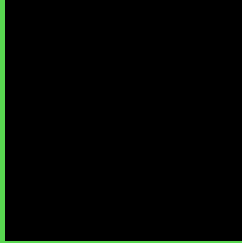
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

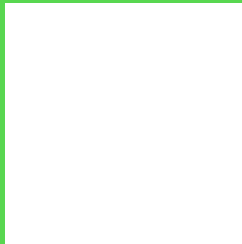
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 88, 215, 80 Background



This preview shows how black text looks on a background with the RGB color 88, 215, 80.

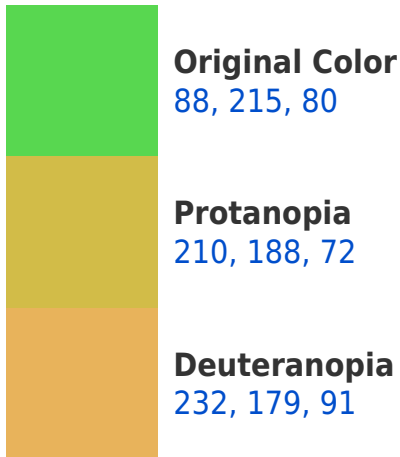


This preview shows how white text looks on a background with the RGB color 88, 215, 80.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
119, 201, 218

Trichromacy



Original Color

88, 215, 80



Protanomaly

166, 198, 75



Deuteranomaly

180, 192, 87



Tritanomaly

108, 206, 168

Monochromacy



Original Color

88, 215, 80



Achromatopsia

162, 162, 162



Achromatomaly

135, 181, 132

CSS Examples

Text

The CSS property to change the color of the text to RGB 88, 215, 80 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 215, 80)` looks like.

```
.text, #text, p{  
    color:rgb(88, 215, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 215, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 215, 80) }
```

Border

The CSS property to change the border of an element to RGB 88, 215, 80 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 215, 80) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 215, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 215, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 215, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 215, 80);  
box-shadow:4px 4px 4px 4px rgb(88, 215,  
80) }
```

Background

The CSS property to change the background color of an element to RGB 88, 215, 80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 215, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 215,  
80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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