

Converting Colors

RGB(68, 186, 101)

Have a look what the booklet for
RGB(68, 186, 101) contains.

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Color

RGB(68, 186, 101)

Conversions

Conversions Part 1

Format	Color
Hex	44BA65
RGB	68, 186, 101
RGB Percent	27%, 73%, 40%
CMY	0.7333, 0.2706, 0.6039
CMYK	0.63, 0.00, 0.46, 0.27
HSL	137°, 46%, 50%
HSV	137°, 63%, 73%
XYZ	22.2918, 37.2863, 18.3340
YIQ	141.0280, -43.0430, -51.4510

Conversions

Conversions Part 2

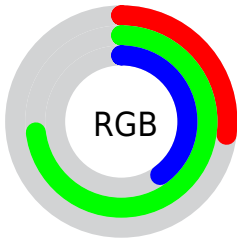
Format	Color
RYB	68, 160, 186
Decimal	4504165
CIELab	67.49, -51.53, 33.51
CIELCh	67, 61.468, 146.964
Yxy	37.2863, 0.2861, 0.4786
Android (android.graphics.Color)	4282694245 (0xFF44BA65)
YUV	141.0280, -19.7338, -64.0456
Hunter-Lab	61.0625, -41.6954, 24.9420

Details

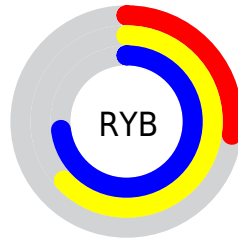
The RGB color **68, 186, 101** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **186, 68, 153**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **128, 243, 153**, and **0, 132, 52** is the 20% darker color. If you saturate the color by 10%, you get **49, 186, 88**, and if you desaturate by 10%, it is **87, 186, 114**.

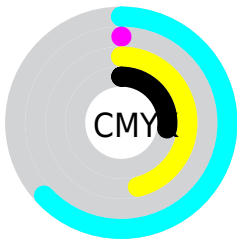
Distribution



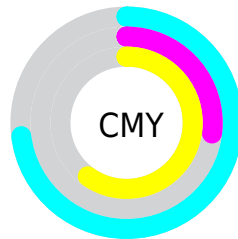
- Red (27%)
- Green (73%)
- Blue (40%)



- Red (27%)
- Yellow (63%)
- Blue (73%)



- Cyan (63%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)



- Cyan (73%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 186, 101 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 68, 186, 101 by changing the saturation by 10% instead.

 68, 186, 101  68, 186, 101

255, 255, 255  31, 158, 76

 128, 243, 153  0, 132, 52

 157, 255, 180  0, 106, 28

 186, 255, 208  0, 80, 2

 216, 255, 237  0, 56, 0

 245, 255, 255  0, 33, 0

 0, 0, 0

 68, 186, 101  68, 186, 101

 49, 186, 88  87, 186, 114

■ 31, 186, 74

■ 105, 186, 128

■ 12, 186, 61

■ 124, 186, 141

■ 0, 186, 52

■ 142, 186, 155

■ 161, 186, 168

■ 180, 186, 181

■ 198, 186, 195

■ 217, 186, 208

■ 235, 186, 222

Harmonies

Analogous

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



144, 176, 57



68, 186, 101



0, 191, 157

Triad

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



68, 186, 101



0, 172, 255



255, 119, 117

Complementary

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



68, 186, 101



186, 68, 153

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, 113, 172



68, 186, 101



156, 152, 255

Square

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



68, 186, 101



0, 185, 255



226, 129, 226



240, 138, 71

Rectangle

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



68, 186, 101



0, 191, 195



226, 129, 226



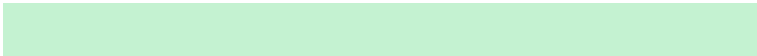
255, 115, 135

Sweetspot

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



68, 186, 101



196, 242, 209



155, 186, 68



94, 122, 102



250, 250, 250



122, 122, 122

Same Dimension

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



68, 186, 101



58, 242, 110



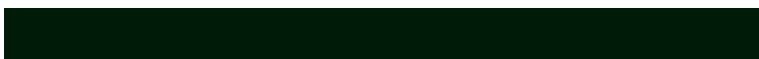
68, 186, 158



83, 92, 85



0, 156, 44



0, 28, 8

Inverse Universe

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



186, 68, 153



242, 58, 191



186, 68, 96



92, 83, 89



156, 0, 112



28, 0, 20

Previews

White Background



This preview shows how the RGB color 68, 186, 101 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 68, 186, 101 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 68, 186, 101 Background



This preview shows how black text looks on a background with the RGB color 68, 186, 101.

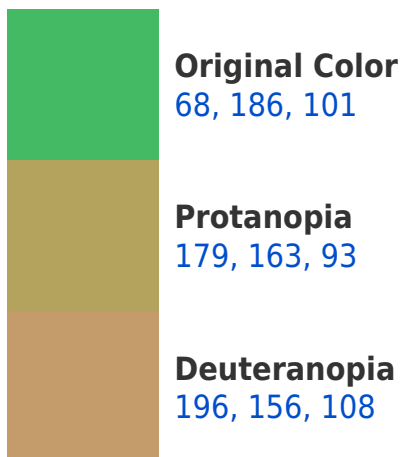


This preview shows how white text looks on a background with the RGB color 68, 186, 101.

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
94, 176, 190

Trichromacy



Original Color

68, 186, 101



Protanomaly

139, 171, 96



Deuteranomaly

149, 167, 105



Tritanomaly

85, 180, 158

Monochromacy



Original Color

68, 186, 101



Achromatopsia

141, 141, 141



Achromatomaly

114, 157, 126

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 186, 101 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(68, 186, 101)` looks like.

```
.text, #text, p{  
    color:rgb(68, 186, 101)  
}
```

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(68, 186, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 186, 101) }
```

Border

The CSS property to change the border of an element to RGB 68, 186, 101 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(68, 186, 101) }
```

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

```
.border{ border-color:rgb(68, 186, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 186, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 186, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 186, 101);  
box-shadow:4px 4px 4px 4px rgb(68, 186,  
101) }
```

Background

The CSS property to change the background color of an element to RGB 68, 186, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 186, 101) }
```

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

```
.background{ background-color: rgb(68, 186,  
101) }
```

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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