

Converting Colors

RGB(64, 158, 66)

Have a look what the booklet for
RGB(64, 158, 66) contains.

RGB(64, 158, 66)	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(64, 158, 66)

Conversions

Conversions Part 1

Format	Color
Hex	409E42
RGB	64, 158, 66
RGB Percent	25%, 62%, 26%
CMY	0.7490, 0.3804, 0.7412
CMYK	0.59, 0.00, 0.58, 0.38
HSL	121°, 42%, 44%
HSV	121°, 59%, 62%
XYZ	15.3246, 25.9371, 9.3529
YIQ	119.4060, -26.4920, -48.5400

Conversions

Conversions Part 2

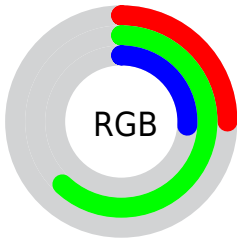
Format	Color
RYB	64, 156, 158
Decimal	4234818
CIELab	57.98, -46.73, 39.30
CIELCh	58, 61.061, 139.936
Yxy	25.9371, 0.3028, 0.5124
Android (android.graphics.Color)	4282424898 (0xFF409E42)
YUV	119.4060, -26.3292, -48.5911
Hunter-Lab	50.9284, -35.4134, 24.7614

Details

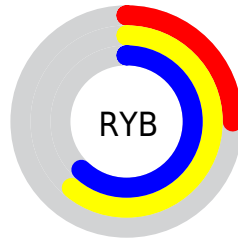
The RGB color **64, 158, 66** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **158, 64, 156**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **121, 213, 117**, and **0, 105, 14** is the 20% darker color. If you saturate the color by 10%, you get **48, 158, 51**, and if you desaturate by 10%, it is **80, 158, 81**.

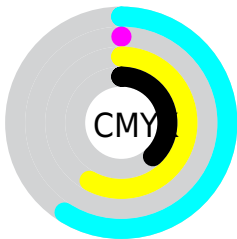
Distribution



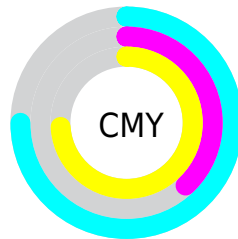
- Red (25%)
- Green (62%)
- Blue (26%)



- Red (25%)
- Yellow (61%)
- Blue (62%)



- Cyan (59%)
- Magenta (0%)
- Yellow (58%)
- Black (38%)



- Cyan (75%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RGB color 64, 158, 66 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 64, 158, 66 by changing the saturation by 10% instead.



64, 158, 66



64, 158, 66

255, 255, 255



31, 131, 41



121, 213, 117



0, 105, 14



149, 242, 143



0, 80, 0



178, 255, 170



0, 56, 0



206, 255, 198



0, 35, 0



236, 255, 226



0, 0, 0



64, 158, 66



64, 158, 66



48, 158, 51



80, 158, 81



32, 158, 35



96, 158, 97

■ 17, 158, 20

■ 111, 158, 112

■ 1, 158, 4

■ 127, 158, 128

■ 0, 158, 3

■ 143, 158, 143

■ 159, 158, 159

■ 175, 158, 174

■ 190, 158, 190

■ 206, 158, 205

Harmonies

Analogous

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



132, 147, 22



64, 158, 66



0, 163, 119

Triad

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



64, 158, 66



0, 151, 245



235, 89, 106

Complementary

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



64, 158, 66



158, 64, 156

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.



226, 89, 160



64, 158, 66



104, 133, 240

Square

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



64, 158, 66



0, 161, 220



186, 109, 209



218, 108, 58

Rectangle

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



64, 158, 66



0, 165, 156



186, 109, 209



235, 87, 124

Sweetspot

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



64, 158, 66



169, 207, 170



156, 158, 64



82, 105, 82



232, 232, 232



105, 105, 105

Same Dimension

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



64, 158, 66



60, 207, 63



64, 158, 113



71, 79, 71



0, 143, 3



0, 15, 0

Inverse Universe

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



158, 64, 156



207, 60, 203



158, 64, 109



79, 71, 79



143, 0, 140



15, 0, 15

Previews

White Background



This preview shows how the RGB color 64, 158, 66 looks on a white background.

Color Contrast Check

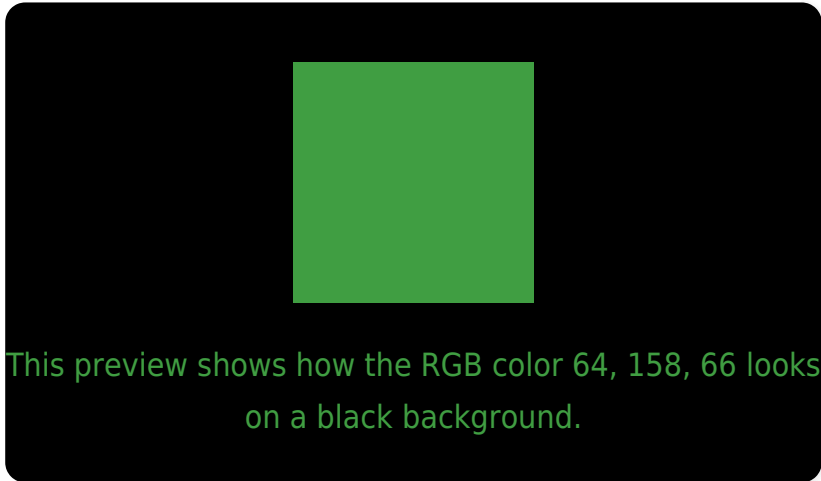
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

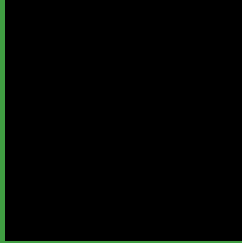
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 64, 158, 66 Background



This preview shows how black text looks on a background with the RGB color 64, 158, 66.



This preview shows how white text looks on a background with the RGB color 64, 158, 66.

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



Original Color

64, 158, 66

Protanopia

154, 139, 60

Deuteranopia

170, 132, 73



Tritanopia
87, 148, 160

Trichromacy



Original Color

64, 158, 66



Protanomaly

121, 146, 62



Deuteranomaly

131, 141, 70



Tritanomaly

79, 152, 126

Monochromacy



Original Color

64, 158, 66



Achromatopsia

119, 119, 119



Achromatomaly

99, 133, 100

CSS Examples

Text

The CSS property to change the color of the text to RGB 64, 158, 66 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(64, 158, 66)` looks like.

```
.text, #text, p{  
    color:rgb(64, 158, 66)  
}
```

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(64, 158, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 158, 66) }
```

Border

The CSS property to change the border of an element to RGB 64, 158, 66 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(64, 158, 66) }
```

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

```
.border{ border-color:rgb(64, 158, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 158, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 158, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 158, 66);  
box-shadow:4px 4px 4px 4px rgb(64, 158,  
66) }
```

Background

The CSS property to change the background color of an element to RGB 64, 158, 66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 158, 66) }
```

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

```
.background{ background-color: rgb(64, 158,  
66) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor