

Converting Colors

RGB(46, 158, 100)

Have a look what the booklet for
RGB(46, 158, 100) contains.

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Color

RGB(46, 158, 100)

Conversions

Conversions Part 1

Format	Color
Hex	2E9E64
RGB	46, 158, 100
RGB Percent	18%, 62%, 39%
CMY	0.8196, 0.3804, 0.6078
CMYK	0.71, 0.00, 0.37, 0.38
HSL	149°, 55%, 40%
HSV	149°, 71%, 62%
XYZ	15.6538, 25.9547, 16.2413
YIQ	117.9000, -48.1340, -41.7820

Conversions

Conversions Part 2

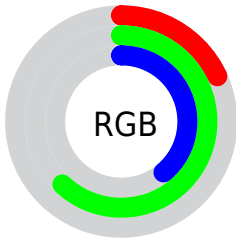
Format	Color
RYB	46, 122, 158
Decimal	3055204
CIELab	57.99, -44.87, 21.51
CIElCh	58, 49.757, 154.389
Yxy	25.9547, 0.2706, 0.4487
Android (android.graphics.Color)	4281245284 (0xFF2E9E64)
YUV	117.9000, -8.8247, -63.0563
Hunter-Lab	50.9457, -34.3082, 16.7606

Details

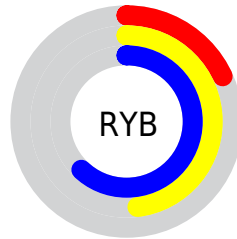
The RGB color **46, 158, 100** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **158, 46, 104**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **107, 214, 151**, and **0, 105, 53** is the 20% darker color. If you saturate the color by 10%, you get **30, 158, 92**, and if you desaturate by 10%, it is **62, 158, 108**.

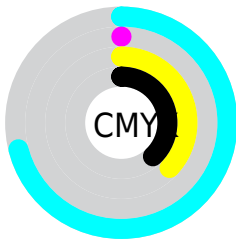
Distribution



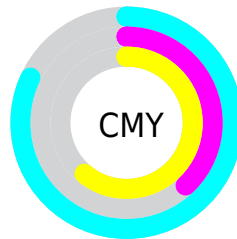
- Red (18%)
- Green (62%)
- Blue (39%)



- Red (18%)
- Yellow (48%)
- Blue (62%)



- Cyan (71%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 158, 100 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 46, 158, 100 by changing the saturation by 10% instead.

 46, 158, 100  46, 158, 100

255, 255, 255  0, 131, 76

 107, 214, 151  0, 105, 53


 135, 242, 178  0, 80, 30

 164, 255, 206  0, 56, 8

 193, 255, 234  0, 35, 0

 222, 255, 255  0, 0, 0

 252, 255, 255

 46, 158, 100  46, 158, 100

 30, 158, 92  62, 158, 108

■ 14, 158, 84

■ 78, 158, 116

■ 0, 158, 76

■ 93, 158, 125

■ 109, 158, 133

■ 125, 158, 141

■ 141, 158, 149

■ 157, 158, 157

■ 172, 158, 165

■ 188, 158, 174

Harmonies

Analogous

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



112, 151, 64



46, 158, 100



0, 161, 145

Triad

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



46, 158, 100



64, 142, 226



216, 108, 93

Complementary

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



46, 158, 100



158, 46, 104

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.



219, 100, 135



46, 158, 100



150, 125, 211

Square

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



46, 158, 100



0, 154, 217



198, 108, 178



193, 123, 60

Rectangle

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



46, 158, 100



0, 161, 174



198, 108, 178



219, 104, 106

Sweetspot

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



46, 158, 100



163, 207, 184



106, 158, 46



78, 105, 91



232, 232, 232



105, 105, 105

Same Dimension

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



46, 158, 100



31, 207, 116



46, 158, 154



71, 79, 75



0, 143, 69



0, 15, 7

Inverse Universe

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



158, 46, 104



207, 31, 122



158, 46, 50



79, 71, 75



143, 0, 74



15, 0, 8

Previews

White Background



This preview shows how the RGB color 46, 158, 100 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



This preview shows how the RGB color 46, 158, 100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

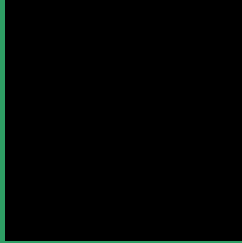
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 46, 158, 100 Background



This preview shows how black text looks on a background with the RGB color 46, 158, 100.

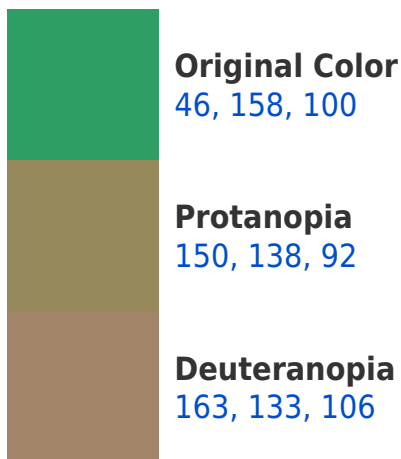


This preview shows how white text looks on a background with the RGB color 46, 158, 100.

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
70, 150, 163

Trichromacy



Original Color

46, 158, 100



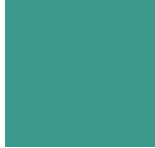
Protanomaly

112, 145, 95



Deuteranomaly

120, 142, 104



Tritanomaly

61, 153, 140

Monochromacy



Original Color

46, 158, 100



Achromatopsia

118, 118, 118



Achromatomaly

92, 133, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 158, 100 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(46, 158, 100)` looks like.

```
.text, #text, p{  
    color:rgb(46, 158, 100)  
}
```

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(46, 158, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 158, 100) }
```

Border

The CSS property to change the border of an element to RGB 46, 158, 100 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(46, 158, 100) }
```

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

```
.border{ border-color:rgb(46, 158, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 158, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 158, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 158, 100);  
box-shadow:4px 4px 4px 4px rgb(46, 158,  
100) }
```

Background

The CSS property to change the background color of an element to RGB 46, 158, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 158, 100) }
```

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

```
.background{ background-color: rgb(46, 158,  
100) }
```

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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