

# Converting Colors

RGB(68, 125, 118)

Have a look what the booklet for  
RGB(68, 125, 118) contains.

<b>RGB(68, 125, 118)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**RGB(68, 125, 118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	447D76
RGB	68, 125, 118
RGB Percent	27%, 49%, 46%
CMY	0.7333, 0.5098, 0.5373
CMYK	0.46, 0.00, 0.06, 0.51
HSL	173°, 30%, 38%
HSV	173°, 46%, 49%
XYZ	12.9875, 17.2042, 19.7758
YIQ	107.1590, -31.7250, -14.2610

# Conversions

## Conversions Part 2

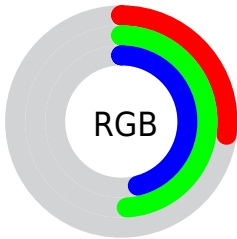
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 98, 125
Decimal	4488566
CIE <sub>Lab</sub>	48.52, -20.55, -2.03
CIE <sub>LCh</sub>	49, 20.654, 185.635
Yxy	17.2042, 0.2599, 0.3443
Android (android.graphics.Color)	4282678646 (0xFF447D76)
YUV	107.1590, 5.3446, -34.3424
Hunter-Lab	41.4779, -16.6946, 0.7664

# Details

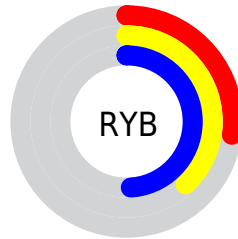
The RGB color **68, 125, 118** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **125, 68, 75**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **120, 178, 170**, and **13, 76, 70** is the 20% darker color. If you saturate the color by 10%, you get **56, 125, 116**, and if you desaturate by 10%, it is **81, 125, 120**.

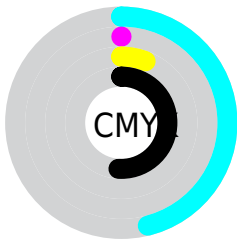
# Distribution



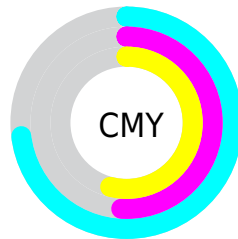
- Red (27%)
- Green (49%)
- Blue (46%)



- Red (27%)
- Yellow (38%)
- Blue (49%)



- Cyan (46%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)



- Cyan (73%)
- Magenta (51%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 68, 125, 118 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, 125, 118 by changing the saturation by 10% instead.





68, 125, 118



68, 125, 118

255, 255, 255



42, 100, 93



120, 178, 170



13, 76, 70



147, 205, 197



0, 53, 48



174, 234, 225



0, 32, 27



202, 255, 254



0, 0, 0



231, 255, 255



68, 125, 118



68, 125, 118



56, 125, 116



81, 125, 120



43, 125, 115



93, 125, 121

■ 31, 125, 113

■ 106, 125, 123

■ 18, 125, 112

■ 118, 125, 124

■ 6, 125, 110

■ 131, 125, 126

■ 0, 125, 110

■ 143, 125, 127

■ 155, 125, 129

■ 168, 125, 130

■ 180, 125, 132

# Harmonies

## Analogous

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



85, 124, 100



68, 125, 118



62, 124, 135

# Triad

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



68, 125, 118



122, 110, 144



140, 109, 84

# Complementary

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



68, 125, 118



125, 68, 75

# 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.



149, 104, 96



68, 125, 118



140, 104, 130

# Square

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



68, 125, 118



98, 116, 150



150, 102, 112



125, 115, 80

# Rectangle

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



68, 125, 118



68, 122, 143



150, 102, 112



144, 107, 87



# Sweetspot

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



68, 125, 118



140, 163, 160



76, 125, 68



68, 82, 80



209, 209, 209



82, 82, 82



# Same Dimension

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



68, 125, 118



73, 163, 152



68, 104, 125



57, 64, 63



0, 128, 112



0, 0, 0



# Inverse Universe

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



125, 68, 75



163, 73, 84



125, 89, 68



64, 57, 58



128, 0, 16



0, 0, 0



# Previews

## White Background



This preview shows how the RGB color 68, 125, 118 looks on a white background.

## Color Contrast Check

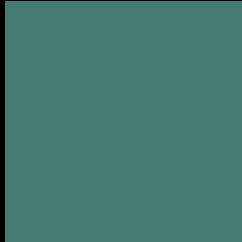
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 68, 125, 118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

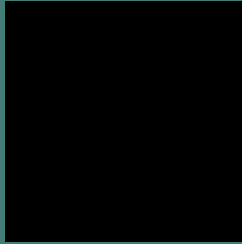
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 68, 125, 118 Background



This preview shows how black text looks on a background with the RGB color 68, 125, 118.



This preview shows how white text looks on a background with the RGB color 68, 125, 118.

# 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**

68, 125, 118

**Protanopia**

117, 114, 112

**Deuteranopia**

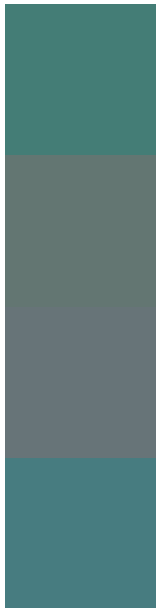
123, 111, 121



# Tritanopia

72, 123, 133

# Trichromacy



**Original Color**  
68, 125, 118

**Protanomaly**  
99, 118, 114

**Deuteranomaly**  
103, 116, 120

**Tritanomaly**  
71, 124, 128

# Monochromacy



**Original Color**  
68, 125, 118

**Achromatopsia**  
107, 107, 107

**Achromatomaly**  
93, 114, 111

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 68, 125, 118 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, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 118)  
}
```

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, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 118) }
```

## Border

The CSS property to change the border of an element to RGB 68, 125, 118 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, 125, 118) }
```

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

```
.border{ border-color:rgb(68, 125, 118) }
```

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

Here you see how a box with a 4 pixel rgb(68, 125, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 118);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
118) }
```

# Background

The CSS property to change the background color of an element to RGB 68, 125, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 118) }
```

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

```
.background{ background-color: rgb(68, 125,  
118) }
```

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