

Converting Colors

RGB(68, 142, 112)

Have a look what the booklet for
RGB(68, 142, 112) contains.

RGB(68, 142, 112)	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(68, 142, 112)

Conversions

Conversions Part 1

Format	Color
Hex	448E70
RGB	68, 142, 112
RGB Percent	27%, 56%, 44%
CMY	0.7333, 0.4431, 0.5608
CMYK	0.52, 0.00, 0.21, 0.44
HSL	156°, 35%, 41%
HSV	156°, 52%, 56%
XYZ	14.9815, 21.7448, 18.7368
YIQ	116.4540, -34.4740, -25.0180

Conversions

Conversions Part 2

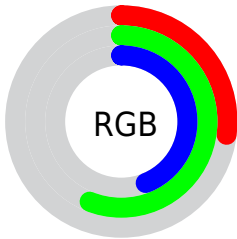
Format	Color
R_{YB}	68, 114, 142
Decimal	4492912
CIE _{Lab}	53.76, -30.58, 9.02
CIE _{LCh}	54, 31.882, 163.558
Yxy	21.7448, 0.2701, 0.3921
Android (android.graphics.Color)	4282682992 (0xFF448E70)
YUV	116.4540, -2.1958, -42.4942
Hunter-Lab	46.6313, -24.2570, 8.8188

Details

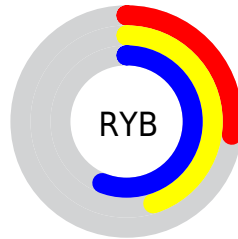
The RGB color **68, 142, 112** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **142, 68, 98**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **121, 196, 164**, and **4, 91, 64** is the 20% darker color. If you saturate the color by 10%, you get **54, 142, 106**, and if you desaturate by 10%, it is **82, 142, 118**.

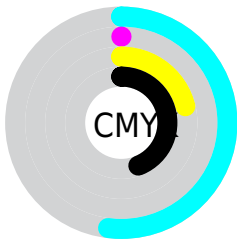
Distribution



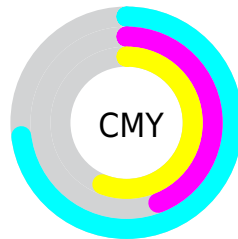
- Red (27%)
- Green (56%)
- Blue (44%)



- Red (27%)
- Yellow (45%)
- Blue (56%)



- Cyan (52%)
- Magenta (0%)
- Yellow (21%)
- Black (44%)



- Cyan (73%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 142, 112 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, 142, 112 by changing the saturation by 10% instead.



68, 142, 112



68, 142, 112

255, 255, 255



40, 116, 88



121, 196, 164



4, 91, 64



149, 224, 191



0, 67, 42



176, 253, 219



0, 44, 22



205, 255, 247



0, 22, 0



233, 255, 255



0, 0, 0



68, 142, 112



68, 142, 112



54, 142, 106



82, 142, 118



40, 142, 100



96, 142, 124

■ 25, 142, 95

■ 111, 142, 129

■ 11, 142, 89

■ 125, 142, 135

■ 0, 142, 84

■ 139, 142, 141

■ 153, 142, 147

■ 167, 142, 152

■ 182, 142, 158

■ 196, 142, 164

Harmonies

Analogous

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



103, 138, 88



68, 142, 112



21, 143, 140

Triad

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



68, 142, 112



109, 127, 182



177, 112, 92

Complementary

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



68, 142, 112



142, 68, 98

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.



182, 107, 117



68, 142, 112



147, 117, 168

Square

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



68, 142, 112



59, 136, 181



172, 109, 145



159, 122, 76

Rectangle

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



68, 142, 112



0, 142, 158



172, 109, 145



180, 110, 99

Sweetspot

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



68, 142, 112



154, 184, 172



99, 142, 68



74, 92, 85



219, 219, 219



92, 92, 92

Same Dimension

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



68, 142, 112



68, 184, 137



68, 136, 142



64, 71, 69



0, 135, 80



0, 8, 5

Inverse Universe

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



142, 68, 98



184, 68, 115



142, 74, 68



71, 64, 67



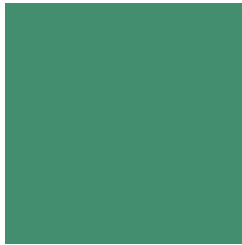
135, 0, 55



8, 0, 3

Previews

White Background



This preview shows how the RGB color 68, 142, 112 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 68, 142, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

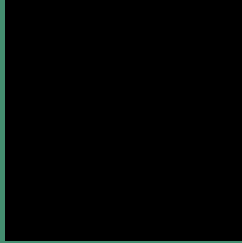
Any Text WCAG AA ✓ Pass

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 68, 142, 112 Background



This preview shows how black text looks on a background with the RGB color 68, 142, 112.



This preview shows how white text looks on a background with the RGB color 68, 142, 112.

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, 142, 112

Protanopia
135, 127, 105

Deuteranopia
144, 123, 116



Tritanopia
79, 137, 148

Trichromacy



Original Color
68, 142, 112

Protanomaly
111, 132, 108

Deuteranomaly
116, 130, 115

Tritanomaly
75, 139, 135

Monochromacy



Original Color
68, 142, 112

Achromatopsia
116, 116, 116

Achromatomaly
99, 125, 115

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 142, 112 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, 142, 112)` looks like.

```
.text, #text, p{  
    color:rgb(68, 142, 112)  
}
```

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, 142, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 142, 112) }
```

Border

The CSS property to change the border of an element to RGB 68, 142, 112 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, 142, 112) }
```

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

```
.border{ border-color:rgb(68, 142, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 142, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 142, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 142, 112);  
box-shadow:4px 4px 4px 4px rgb(68, 142,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 68, 142, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 142, 112) }
```

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

```
.background{ background-color: rgb(68, 142,  
112) }
```

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