

Converting Colors

`RYB(50, 169, 115)`

Have a look what the booklet for
RYB(50, 169, 115) contains.

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Color

R_YB(50, 169, 115)

Conversions

Conversions Part 1

Format	Color
Hex	68A932
RGB	104, 169, 50
RGB Percent	41%, 66%, 20%
CMY	0.5922, 0.3373, 0.8039
CMYK	0.38, 0.00, 0.70, 0.34
HSL	93°, 54%, 43%
HSV	93°, 70%, 66%
XYZ	20.4726, 31.5493, 8.0282
YIQ	135.9990, -0.5410, -50.7890

Conversions

Conversions Part 2

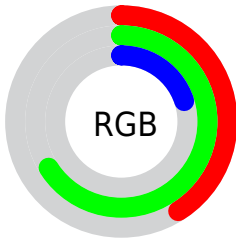
Format	Color
RYB	50, 169, 115
Decimal	6859058
CIELab	62.97, -40.66, 52.29
CIELCh	63, 66.237, 127.871
Yxy	31.5493, 0.3409, 0.5254
Android (android.graphics.Color)	4285049138 (0xFF68A932)
YUV	135.9990, -42.3975, -28.0631
Hunter-Lab	56.1687, -33.2349, 30.8438

Details

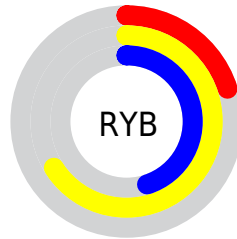
The RYB color **50, 169, 115** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **115, 50, 169**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **103, 225, 168**, and **0, 116, 68** is the 20% darker color. If you saturate the color by 10%, you get **33, 169, 107**, and if you desaturate by 10%, it is **67, 169, 123**.

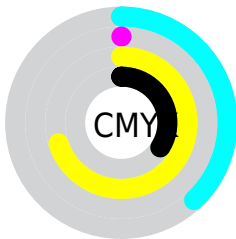
Distribution



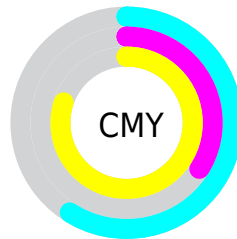
- Red (41%)
- Green (66%)
- Blue (20%)



- Red (20%)
- Yellow (66%)
- Blue (45%)



- Cyan (38%)
- Magenta (0%)
- Yellow (70%)
- Black (34%)























- Cyan (59%)
- Magenta (34%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 169, 115 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 RYB color 50, 169, 115 by changing the saturation by 10% instead.

 50, 169, 115	 50, 169, 115
 255, 255, 255	 20, 142, 85
 103, 225, 168	 0, 116, 68
 130, 254, 196	 0, 91, 76
 157, 255, 195	 0, 67, 67
 185, 255, 194	 0, 44, 44
 213, 255, 213	 0, 18, 18
 242, 255, 242	 0, 0, 0

 50, 169, 115	 50, 169, 115
 33, 169, 107	 67, 169, 123

■ 16, 169, 99

■ 84, 169, 131

■ 0, 169, 92

■ 101, 169, 138

■ 118, 169, 146

■ 134, 169, 153

■ 151, 169, 161

■ 168, 169, 168

■ 178, 169, 185

■ 187, 169, 202

Harmonies

Analogous

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



18, 167, 5



50, 169, 115



0, 111, 177

Triad

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



50, 169, 115



0, 102, 255



255, 93, 139

Complementary

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



50, 169, 115



115, 50, 169

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.



235, 104, 198



50, 169, 115



24, 107, 255

Square

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



50, 169, 115



0, 99, 223



174, 130, 246



249, 112, 83

Rectangle

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



50, 169, 115



0, 99, 179



174, 130, 246



254, 94, 159

Sweetspot

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



50, 169, 115



173, 219, 198



156, 169, 50



82, 110, 97



237, 237, 237



110, 110, 110

Same Dimension

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



50, 169, 115



35, 219, 135



50, 165, 169



76, 84, 80



0, 148, 81



0, 20, 11

Inverse Universe

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



115, 50, 169



136, 35, 219



169, 50, 165



80, 76, 84



81, 0, 148



11, 0, 20

Previews

White Background



This preview shows how the RYB color 50, 169, 115 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 RYB color 50, 169, 115 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](#).

R Y B 50, 169, 115 Background



This preview shows how black text looks on a background with the R Y B color 50, 169, 115.



This preview shows how white text looks on a background with the R Y B color 50, 169, 115.

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
50, 169, 115

Protanopia
67, 170, 46

Deuteranopia
128, 189, 59



Tritanopia
122, 143, 170

Trichromacy



Original Color
50, 169, 115

Protanomaly
47, 158, 59

Deuteranomaly
61, 158, 56

Tritanomaly
115, 153, 162

Monochromacy



Original Color
50, 169, 115

Achromatopsia
136, 136, 136

Achromatomaly
105, 148, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 169, 115 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(104, 169, 50)` looks like.

```
.text, #text, p{  
    color:rgb(104, 169, 50)  
}
```

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(104, 169, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 169, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 169, 115 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(104, 169, 50) }
```

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

```
.border{ border-color:rgb(104, 169, 50) }
```

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

Here you see how a box with a 4 pixel rgb(104, 169, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 169, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 169, 50);  
box-shadow:4px 4px 4px 4px rgb(104, 169,  
50) }
```

Background

The CSS property to change the background color of an element to RGB 104, 169, 50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 169, 50) }
```

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

```
.background{ background-color: rgb(104,  
169, 50) }
```

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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