

# Converting Colors

`RYB(89, 130, 115)`

Have a look what the booklet for  
RYB(89, 130, 115) contains.

<b>RYB(89, 130, 115)</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

**R<sub>Y</sub>B(89, 130, 115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	688259
RGB	104, 130, 89
RGB Percent	41%, 51%, 35%
CMY	0.5922, 0.4902, 0.6510
CMYK	0.20, 0.00, 0.32, 0.49
HSL	98°, 19%, 43%
HSV	98°, 32%, 51%
XYZ	15.4947, 19.6296, 12.4234
YIQ	117.5520, -2.3350, -18.2630

# Conversions

## Conversions Part 2

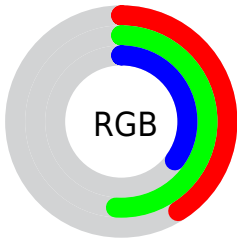
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 130, 115
Decimal	6849113
CIELab	51.42, -17.45, 19.23
CIELCh	51, 25.964, 132.214
Yxy	19.6296, 0.3259, 0.4128
Android (android.graphics.Color)	4285039193 (0xFF688259)
YUV	117.5520, -14.0761, -11.8851
Hunter-Lab	44.3053, -15.1081, 14.3885

# Details

The RYB color **89, 130, 115** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **115, 89, 130**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **139, 183, 166**, and **43, 81, 68** is the 20% darker color. If you saturate the color by 10%, you get **76, 130, 110**, and if you desaturate by 10%, it is **102, 130, 120**.

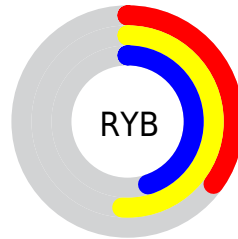
# Distribution



Red (41%)

Green (51%)

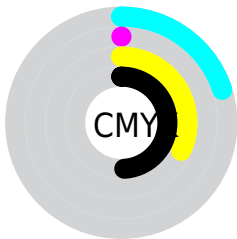
Blue (35%)



Red (35%)

Yellow (51%)

Blue (45%)

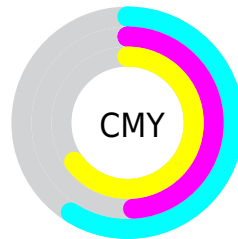


Cyan (20%)

Magenta (0%)

Yellow (32%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 89, 130, 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 89, 130, 115 by changing the saturation by 10% instead.





89, 130, 115



89, 130, 115

255, 255, 255



65, 105, 91



139, 183, 166



43, 81, 68



166, 211, 194



22, 57, 46



193, 239, 221



0, 36, 21



221, 255, 237



0, 10, 10



250, 255, 250



0, 0, 0



89, 130, 115



89, 130, 115



76, 130, 110



102, 130, 120



63, 130, 105



115, 130, 125

■ 50, 130, 101

■ 128, 130, 129

■ 37, 130, 96

■ 137, 130, 141

■ 24, 130, 91

■ 145, 130, 154

■ 11, 130, 86

■ 153, 130, 167

■ 0, 130, 82

■ 162, 130, 180

■ 170, 130, 193

■ 178, 130, 206

# Harmonies

## Analogous

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



85, 129, 79



89, 130, 115



77, 114, 134

# Triad

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



89, 130, 115



72, 107, 164



166, 106, 114

# Complementary

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



89, 130, 115



115, 89, 130

# 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.



158, 107, 137



89, 130, 115



106, 119, 166

# Square

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



89, 130, 115



47, 94, 152



137, 114, 155



163, 115, 94

# Rectangle

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



89, 130, 115



60, 101, 135



137, 114, 155



165, 106, 122



# Sweetspot

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



89, 130, 115



153, 168, 162



113, 130, 89



75, 84, 81



212, 212, 212



84, 84, 84



# Same Dimension

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



89, 130, 115



104, 168, 144



89, 126, 130



57, 64, 61



0, 128, 81



0, 0, 0



# Inverse Universe

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



115, 89, 130



145, 104, 168



130, 89, 125



61, 57, 64



81, 0, 128



0, 0, 0



# Previews

## White Background



This preview shows how the RYB color 89, 130, 115 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 RYB color 89, 130, 115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

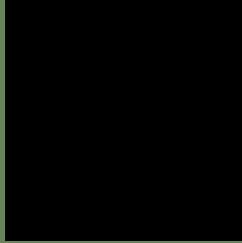
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## R Y B 89, 130, 115 Background



This preview shows how black text looks on a background with the R Y B color 89, 130, 115.



This preview shows how white text looks on a background with the R Y B color 89, 130, 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](#).

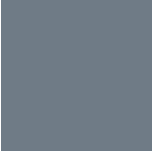
## Dichromacy



**Original Color**  
89, 130, 115

**Protanopia**  
99, 132, 86

**Deuteranopia**  
144, 140, 92



**Tritanopia**  
111, 119, 134

# Trichromacy



**Original Color**  
89, 130, 115

**Protanomaly**  
87, 125, 90

**Deuteranomaly**  
100, 129, 91

**Tritanomaly**  
108, 120, 126

# Monochromacy



**Original Color**  
89, 130, 115

**Achromatopsia**  
118, 118, 118

**Achromatomaly**  
107, 122, 116

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 89, 130, 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, 130, 89)` looks like.

```
.text, #text, p{  
    color:rgb(104, 130, 89)  
}
```

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, 130, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 130, 89) }
```

## Border

The CSS property to change the border of an element to RYB 89, 130, 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, 130, 89) }
```

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

```
.border{ border-color:rgb(104, 130, 89) }
```

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

Here you see how a box with a 4 pixel rgb(104, 130, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 130, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 130, 89);  
box-shadow:4px 4px 4px 4px rgb(104, 130,  
89) }
```

# Background

The CSS property to change the background color of an element to RYB 89, 130, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 130, 89) }
```

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

```
.background{ background-color: rgb(104,  
130, 89) }
```

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