

Converting Colors

`RYB(86, 194, 102)`

Have a look what the booklet for
RYB(86, 194, 102) contains.

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Color

R_YB(86, 194, 102)

Conversions

Conversions Part 1

Format	Color
Hex	B2C256
RGB	178, 194, 86
RGB Percent	70%, 76%, 34%
CMY	0.3020, 0.2392, 0.6627
CMYK	0.08, 0.00, 0.56, 0.24
HSL	69°, 47%, 55%
HSV	69°, 56%, 76%
XYZ	39.3316, 48.7204, 16.1351
YIQ	176.9040, 25.1320, -36.9800

Conversions

Conversions Part 2

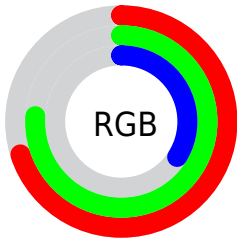
Format	Color
R_{YB}	86, 194, 102
Decimal	11715158
CIE _{Lab}	75.28, -20.84, 51.54
CIE _{LCh}	75, 55.592, 112.017
Yxy	48.7204, 0.3775, 0.4676
Android (android.graphics.Color)	4289905238 (0xFFB2C256)
YUV	176.9040, -44.8157, 0.9612
Hunter-Lab	69.8000, -21.5671, 35.1544

Details

The RYB color **86, 194, 102** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **102, 86, 194**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **139, 250, 153**, and **33, 140, 50** is the 20% darker color. If you saturate the color by 10%, you get **67, 194, 86**, and if you desaturate by 10%, it is **105, 194, 118**.

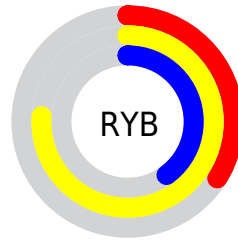
Distribution



Red (70%)

Green (76%)

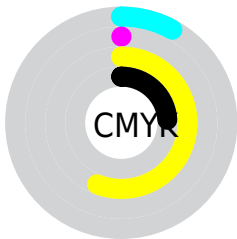
Blue (34%)



Red (34%)

Yellow (76%)

Blue (40%)

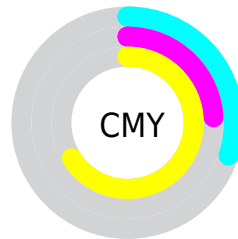


Cyan (8%)

Magenta (0%)

Yellow (56%)

Black (24%)



Cyan (30%)

















Magenta (24%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 194, 102 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 86, 194, 102 by changing the saturation by 10% instead.

 86, 194, 102	 86, 194, 102
 255, 255, 255	 60, 167, 77
 139, 250, 153	 33, 140, 50
 166, 255, 166	 0, 115, 19
 194, 255, 194	 0, 90, 20
 223, 255, 223	 0, 67, 22
 252, 255, 252	 0, 45, 26
	 0, 26, 26
	 0, 0, 0

 86, 194, 102	 86, 194, 102
--	--

67, 194, 86

105, 194, 118

47, 194, 69

125, 194, 135

28, 194, 53

144, 194, 151

8, 194, 35

164, 194, 169

0, 194, 29

183, 194, 185

195, 194, 202

198, 194, 222

201, 194, 241

204, 194, 255

Harmonies

Analogous

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



155, 227, 81



86, 194, 102



117, 202, 205

Triad

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



86, 194, 102



0, 114, 255



255, 143, 201

Complementary

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



86, 194, 102



102, 86, 194

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, 157, 249



86, 194, 102



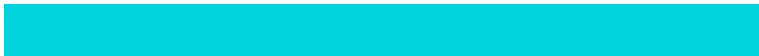
32, 126, 255

Square

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



86, 194, 102



0, 108, 222



167, 176, 255



255, 144, 150

Rectangle

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



86, 194, 102



54, 149, 209



167, 176, 255



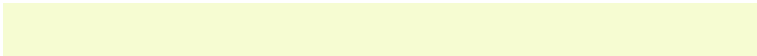
255, 146, 218

Sweetspot

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



86, 194, 102



210, 252, 216



194, 102, 86



102, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



86, 194, 102



83, 252, 108



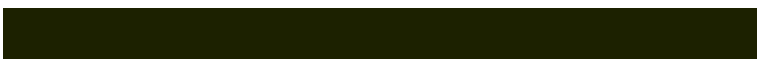
86, 194, 154



87, 97, 89



0, 161, 24



0, 33, 5

Inverse Universe

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



102, 86, 194



108, 83, 252



154, 86, 194



89, 87, 97



24, 0, 161



5, 0, 33

Previews

White Background



This preview shows how the RYB color 86, 194, 102 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 86, 194, 102 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 86, 194, 102 Background



This preview shows how black text looks on a background with the RYB color 86, 194, 102.

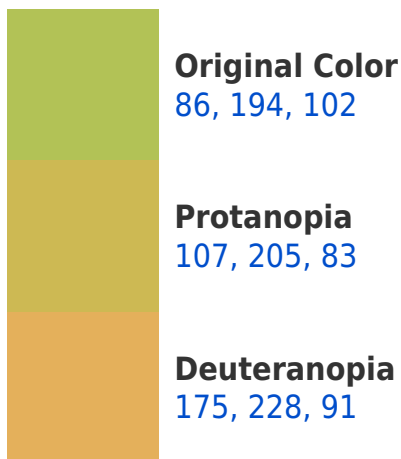



This preview shows how white text looks on a background with the RYB color 86, 194, 102.

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](#).

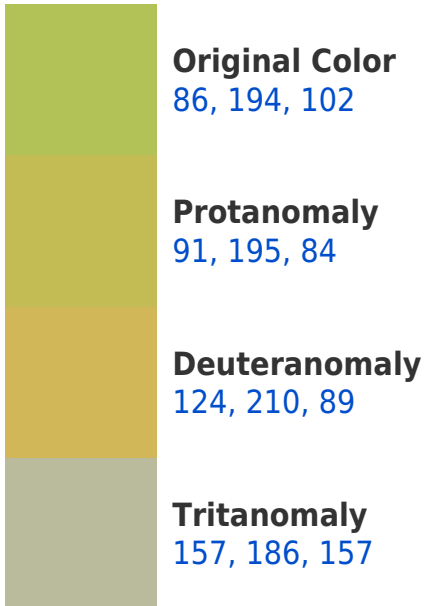
Dichromacy



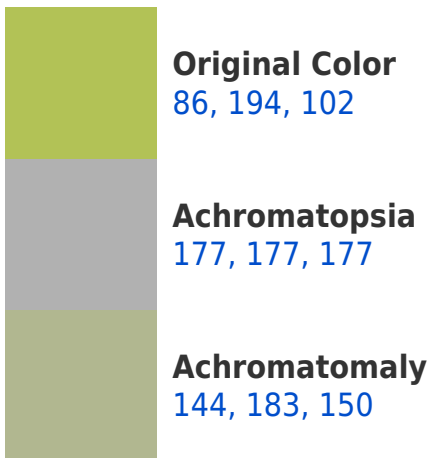


Tritanopia
190, 182, 197

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 194, 102 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(178, 194, 86)` looks like.

```
.text, #text, p{  
    color:rgb(178, 194, 86)  
}
```

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(178, 194, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 194, 86) }
```

Border

The CSS property to change the border of an element to RYB 86, 194, 102 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(178, 194, 86) }
```

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

```
.border{ border-color:rgb(178, 194, 86) }
```

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

Here you see how a box with a 4 pixel rgb(178, 194, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 194, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 194, 86);  
box-shadow:4px 4px 4px 4px rgb(178, 194,  
86) }
```

Background

The CSS property to change the background color of an element to RYB 86, 194, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 194, 86) }
```

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

```
.background{ background-color: rgb(178,  
194, 86) }
```

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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