

Converting Colors

`RYB(117, 207, 76)`

Have a look what the booklet for
RYB(117, 207, 76) contains.

RYB(117, 207, 76)	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

R_YB(117, 207, 76)

Conversions

Conversions Part 1

Format	Color
Hex	CFB04C
RGB	207, 176, 76
RGB Percent	81%, 69%, 30%
CMY	0.1882, 0.3107, 0.7020
CMYK	0.00, 0.15, 0.63, 0.19
HSL	46°, 58%, 55%
HSV	46°, 63%, 81%
XYZ	42.5175, 44.7490, 13.2340
YIQ	173.8690, 50.5760, -24.5280

Conversions

Conversions Part 2

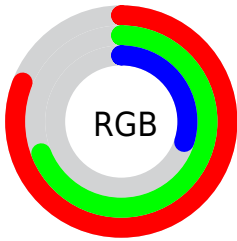
Format	Color
RYB	117, 207, 76
Decimal	13611084
CIELab	72.73, -0.05, 53.91
CIELCh	73, 53.907, 90.048
Yxy	44.7490, 0.4231, 0.4453
Android (android.graphics.Color)	4291801164 (0xFFCFB04C)
YUV	173.8690, -48.2494, 29.0559
Hunter-Lab	66.8947, -3.6131, 35.0968

Details

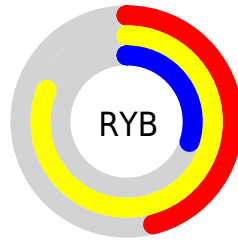
The RYB color **117, 207, 76** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **76, 101, 207**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **159, 255, 129**, and **52, 149, 21** is the 20% darker color. If you saturate the color by 10%, you get **102, 207, 55**, and if you desaturate by 10%, it is **131, 207, 97**.

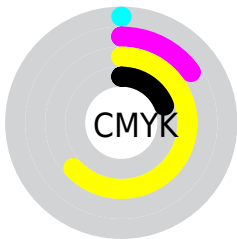
Distribution



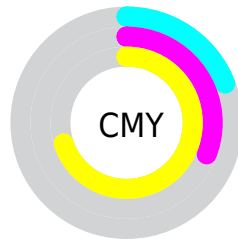
- Red (81%)
- Green (69%)
- Blue (30%)



- Red (46%)
- Yellow (81%)
- Blue (30%)



- Cyan (0%)
- Magenta (15%)
- Yellow (63%)
- Black (19%)



















- Cyan (19%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 207, 76 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 117, 207, 76 by changing the saturation by 10% instead.

 117, 207, 76	 117, 207, 76
 255, 255, 255	 87, 178, 50
 159, 255, 129	 52, 149, 21
 156, 255, 156	 27, 121, 0
 183, 255, 183	 25, 95, 0
 212, 255, 212	 19, 68, 0
 241, 255, 241	 13, 42, 0
	 8, 15, 0
	 0, 0, 0

 117, 207, 76  117, 207, 76

102, 207, 55

131, 207, 97

89, 207, 35

144, 207, 117

74, 207, 14

159, 207, 138

64, 207, 0

173, 207, 159

189, 207, 180

203, 207, 200

207, 209, 221

207, 214, 242

207, 217, 255

Harmonies

Analogous

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



246, 206, 93



117, 207, 76



89, 190, 122

Triad

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



117, 207, 76



0, 107, 226



239, 147, 228

Complementary

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



117, 207, 76



76, 101, 207

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.



181, 165, 255



117, 207, 76



0, 111, 255

Square

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



117, 207, 76



0, 108, 203



85, 148, 255



255, 136, 180

Rectangle

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



117, 207, 76



113, 197, 193



85, 148, 255



223, 152, 242

Sweetspot

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



117, 207, 76



223, 255, 207



207, 76, 109



107, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



117, 207, 76



121, 255, 61



76, 207, 109



98, 105, 94



53, 168, 0



13, 41, 0

Inverse Universe

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



76, 101, 207



61, 98, 255



109, 76, 207



94, 96, 105



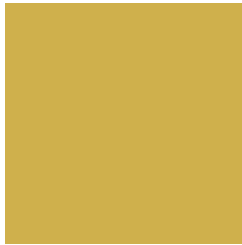
0, 32, 168



0, 8, 41

Previews

White Background



This preview shows how the RYB color 117, 207, 76 looks on a white background.

Color Contrast Check

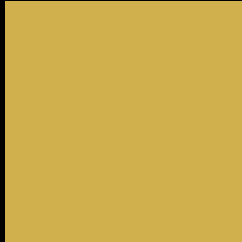
Large Text (above 18pt) WCAG AA × Fail

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 117, 207, 76 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 117, 207, 76 Background



This preview shows how black text looks on a background with the R Y B color 117, 207, 76.

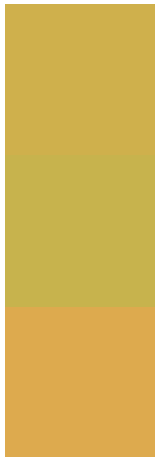


This preview shows how white text looks on a background with the R Y B color 117, 207, 76.

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
117, 207, 76

Protanopia
101, 199, 77

Deuteranopia
157, 221, 78



Tritanopia

215, 165, 178

Trichromacy



Original Color

117, 207, 76

Protanomaly

107, 202, 77

Deuteranomaly

141, 216, 77

Tritanomaly

212, 187, 141

Monochromacy



Original Color

117, 207, 76

Achromatopsia

174, 174, 174

Achromatomaly

152, 186, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 207, 76 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(207, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(207, 176, 76)  
}
```

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(207, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 176, 76) }
```

Border

The CSS property to change the border of an element to RYB 117, 207, 76 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(207, 176, 76) }
```

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

```
.border{ border-color:rgb(207, 176, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 176, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(207, 176,  
76) }
```

Background

The CSS property to change the background color of an element to RYB 117, 207, 76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 176, 76) }
```

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

```
.background{ background-color: rgb(207,  
176, 76) }
```

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