

Converting Colors

`RYB(188, 206, 106)`

Have a look what the booklet for
RYB(188, 206, 106) contains.

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Color

R_YB(188, 206, 106)

Conversions

Conversions Part 1

Format	Color
Hex	CEA16A
RGB	206, 161, 106
RGB Percent	81%, 63%, 42%
CMY	0.1922, 0.3688, 0.5843
CMYK	0.00, 0.22, 0.49, 0.19
HSL	33°, 51%, 61%
HSV	33°, 49%, 81%
XYZ	40.7904, 39.6330, 19.1357
YIQ	168.1850, 44.4750, -7.5650

Conversions

Conversions Part 2

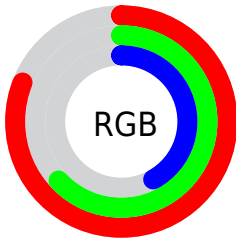
Format	Color
RYB	188, 206, 106
Decimal	13541738
CIELab	69.21, 9.87, 34.88
CIElCh	69, 36.252, 74.196
Yxy	39.6330, 0.4097, 0.3981
Android (android.graphics.Color)	4291731818 (0xFFCEA16A)
YUV	168.1850, -30.6572, 33.1638
Hunter-Lab	62.9547, 5.4852, 26.0465

Details

The RYB color **188, 206, 106** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **106, 137, 206**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **223, 255, 158**, and **125, 149, 57** is the 20% darker color. If you saturate the color by 10%, you get **183, 206, 85**, and if you desaturate by 10%, it is **193, 206, 127**.

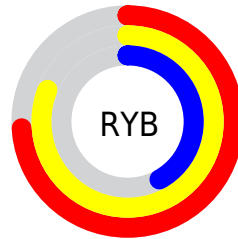
Distribution



Red (81%)

Green (63%)

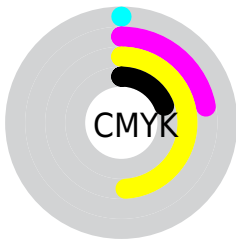
Blue (42%)



Red (74%)

Yellow (81%)

Blue (42%)

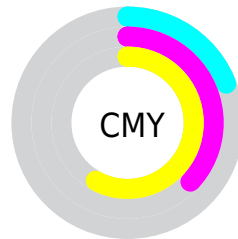


Cyan (0%)

Magenta (22%)

Yellow (49%)

Black (19%)



Cyan (19%)

Magenta (37%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 206, 106 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 188, 206, 106 by changing the saturation by 10% instead.

 188, 206, 106

 188, 206, 106

255, 255, 255

 156, 177, 81

 223, 255, 158

 128, 149, 57

 198, 255, 185

 98, 122, 34

 213, 255, 213

 64, 95, 10

 242, 255, 242

 53, 70, 0

 44, 37, 0

 16, 0, 0

 0, 0, 0

 188, 206, 106

 188, 206, 106

183, 206, 85

193, 206, 127

182, 206, 65

193, 206, 147

177, 206, 44

199, 206, 168

173, 206, 24

202, 206, 188

168, 206, 3

206, 207, 209

170, 206, 0

206, 214, 230

206, 220, 250

206, 224, 255

206, 227, 255

Harmonies

Analogous

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



227, 158, 125



188, 206, 106



107, 175, 104

Triad

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



188, 206, 106



54, 121, 187



193, 155, 216

Complementary

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



188, 206, 106



106, 137, 206

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.



147, 163, 232



188, 206, 106



43, 120, 214

Square

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



188, 206, 106



98, 152, 185



92, 145, 231



222, 146, 188

Rectangle

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



188, 206, 106



114, 178, 141



92, 145, 231



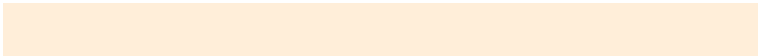
179, 159, 223

Sweetspot

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



188, 206, 106



248, 255, 217



206, 106, 153



126, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



188, 206, 106



229, 255, 107



106, 206, 109



102, 102, 92



137, 166, 0



31, 38, 0

Inverse Universe

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



106, 137, 206



107, 153, 255



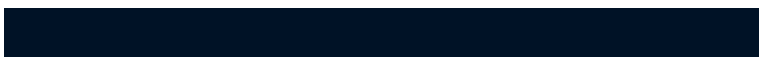
109, 106, 206



92, 95, 102



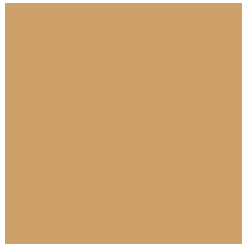
0, 52, 166



0, 12, 38

Previews

White Background



This preview shows how the RYB color 188, 206, 106 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 188, 206, 106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

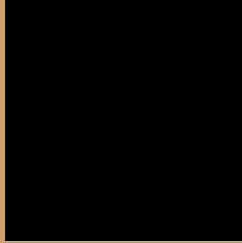
Any Text WCAG AA ✓ Pass

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](#).

RYB 188, 206, 106 Background



This preview shows how black text looks on a background with the RYB color 188, 206, 106.



This preview shows how white text looks on a background with the RYB color 188, 206, 106.

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](#).

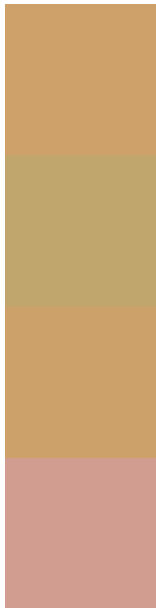
Dichromacy

	Original Color 188, 206, 106
	Protanopia 128, 184, 109
	Deuteranopia 180, 204, 106



Tritanopia
211, 154, 165

Trichromacy



Original Color

188, 206, 106

Protanomaly

146, 192, 108

Deuteranomaly

182, 205, 106

Tritanomaly

209, 160, 144

Monochromacy



Original Color

188, 206, 106

Achromatopsia

168, 168, 168

Achromatomaly

176, 182, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 206, 106 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(206, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(206, 161, 106)  
}
```

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(206, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 161, 106) }
```

Border

The CSS property to change the border of an element to RYB 188, 206, 106 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(206, 161, 106) }
```

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

```
.border{ border-color:rgb(206, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(206, 161,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 188, 206, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 161, 106) }
```

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

```
.background{ background-color: rgb(206,  
161, 106) }
```

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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