

Converting Colors

`RYB(107, 196, 108)`

Have a look what the booklet for
RYB(107, 196, 108) contains.

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Color

R_YB(107, 196, 108)

Conversions

Conversions Part 1

Format	Color
Hex	C3C46B
RGB	195, 196, 107
RGB Percent	76%, 77%, 42%
CMY	0.2353, 0.2314, 0.5804
CMYK	0.01, 0.00, 0.45, 0.23
HSL	61°, 43%, 59%
HSV	61°, 45%, 77%
XYZ	44.8994, 52.1435, 21.6082
YIQ	185.5550, 27.9730, -27.8910

Conversions

Conversions Part 2

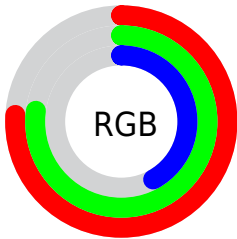
Format	Color
RYB	107, 196, 108
Decimal	12829803
CIELab	77.37, -13.03, 44.32
CIELCh	77, 46.196, 106.389
Yxy	52.1435, 0.3784, 0.4395
Android (android.graphics.Color)	4291019883 (0xFFC3C46B)
YUV	185.5550, -38.7276, 8.2833
Hunter-Lab	72.2105, -15.3795, 32.8055

Details

The RYB color **107, 196, 108** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **108, 107, 196**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **161, 253, 160**, and **56, 142, 58** is the 20% darker color. If you saturate the color by 10%, you get **87, 196, 88**, and if you desaturate by 10%, it is **127, 196, 128**.

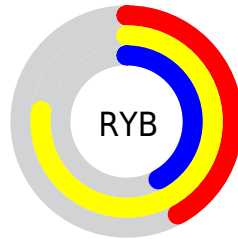
Distribution



Red (76%)

Green (77%)

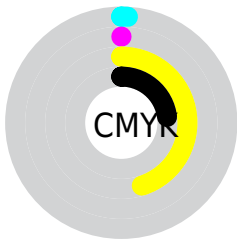
Blue (42%)



Red (42%)

Yellow (77%)

Blue (42%)

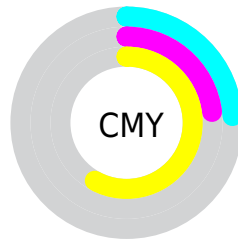


Cyan (1%)

Magenta (0%)

Yellow (45%)

Black (23%)



Cyan (24%)


Magenta (23%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 196, 108 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 107, 196, 108 by changing the saturation by 10% instead.

 107, 196, 108

255, 255, 255


 161, 253, 160

 188, 255, 188


 216, 255, 216

 245, 255, 245

 107, 196, 108

 81, 169, 83

 56, 142, 58

 31, 117, 35

 0, 92, 5

 0, 69, 7

 0, 47, 10

 0, 27, 20

 0, 0, 0

 107, 196, 108

 107, 196, 108

87, 196, 88

127, 196, 128

68, 196, 69

146, 196, 147

48, 196, 50

166, 196, 166

29, 196, 31

185, 196, 185

9, 196, 11

196, 196, 205

0, 196, 2

196, 196, 225

197, 196, 244

197, 196, 255

Harmonies

Analogous

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



199, 235, 108



107, 196, 108



130, 206, 189

Triad

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



107, 196, 108



0, 115, 252



255, 159, 212

Complementary

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



107, 196, 108



108, 107, 196

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.



225, 171, 251



107, 196, 108



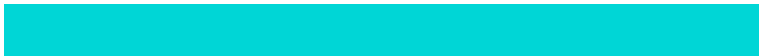
83, 153, 255

Square

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



107, 196, 108



0, 107, 214



165, 183, 255



255, 157, 169

Rectangle

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



107, 196, 108



109, 179, 211



165, 183, 255



252, 162, 226

Sweetspot

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



107, 196, 108



219, 255, 219



196, 107, 107



106, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



107, 196, 108



117, 255, 119



107, 196, 151



87, 97, 87



0, 161, 2



0, 33, 0

Inverse Universe

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



108, 107, 196



119, 117, 255



152, 107, 196



87, 87, 97



2, 0, 161



0, 0, 33

Previews

White Background



This preview shows how the RYB color 107, 196, 108 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 107, 196, 108 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](#).

RYP 107, 196, 108 Background



This preview shows how black text looks on a background with the RYP color 107, 196, 108.



This preview shows how white text looks on a background with the RYP color 107, 196, 108.

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
107, 196, 108

Protanopia
128, 210, 105

Deuteranopia
195, 232, 110



Tritanopia
205, 185, 200

Trichromacy



Original Color
107, 196, 108

Protanomaly
120, 205, 106

Deuteranomaly
154, 219, 109

Tritanomaly
184, 201, 166

Monochromacy



Original Color
107, 196, 108

Achromatopsia
186, 186, 186

Achromatomaly
157, 190, 158

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 196, 195 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(195, 196, 107)` looks like.

```
.text, #text, p{  
    color:rgb(195, 196, 107)  
}
```

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(195, 196, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 196, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 196, 108 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(195, 196, 107) }
```

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

```
.border{ border-color:rgb(195, 196, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 196, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 196, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 196, 107);  
box-shadow:4px 4px 4px 4px rgb(195, 196,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 196, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 196, 107) }
```

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

```
.background{ background-color: rgb(195,  
196, 107) }
```

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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