

Converting Colors

`RYB(102, 204, 109)`

Have a look what the booklet for
RYB(102, 204, 109) contains.

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Color

R_YB(102, 204, 109)

Conversions

Conversions Part 1

Format	Color
Hex	C5CC66
RGB	197, 204, 102
RGB Percent	77%, 80%, 40%
CMY	0.2275, 0.2000, 0.6000
CMYK	0.03, 0.00, 0.50, 0.20
HSL	64°, 50%, 60%
HSV	64°, 50%, 80%
XYZ	47.0171, 56.0154, 20.9044
YIQ	190.2790, 28.5700, -33.2060

Conversions

Conversions Part 2

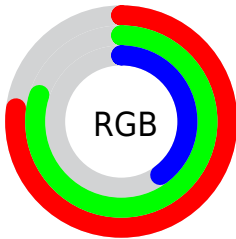
Format	Color
RYB	102, 204, 109
Decimal	12962918
CIELab	79.62, -16.73, 49.49
CIELCh	80, 52.240, 108.679
Yxy	56.0154, 0.3794, 0.4520
Android (android.graphics.Color)	4291152998 (0xFFC5CC66)
YUV	190.2790, -43.5215, 5.8943
Hunter-Lab	74.8434, -18.8411, 35.8302

Details

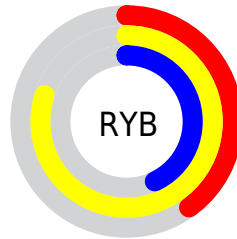
The RYB color **102, 204, 109** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **109, 102, 204**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **155, 255, 155**, and **50, 150, 59** is the 20% darker color. If you saturate the color by 10%, you get **82, 204, 90**, and if you desaturate by 10%, it is **122, 204, 128**.

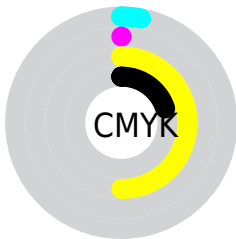
Distribution



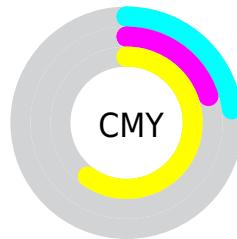
- Red (77%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (43%)



- Cyan (3%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (23%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 204, 109 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 102, 204, 109 by changing the saturation by 10% instead.

 102, 204, 109

255, 255, 255

 155, 255, 155

 183, 255, 183

 211, 255, 211

 240, 255, 240

 102, 204, 109

 76, 177, 84

 50, 150, 59

 22, 124, 32

 0, 99, 11

 0, 75, 12

 0, 53, 16

 0, 32, 22

 0, 0, 0

 102, 204, 109

 102, 204, 109

82, 204, 90

122, 204, 128

61, 204, 71

143, 204, 147

41, 204, 52

163, 204, 166

20, 204, 33

184, 204, 185

0, 204, 14

204, 204, 204

205, 204, 224

207, 204, 245

208, 204, 255

210, 204, 255

Harmonies

Analogous

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



191, 243, 101



102, 204, 109



131, 215, 205

Triad

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



102, 204, 109



0, 118, 255



255, 159, 218

Complementary

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



102, 204, 109



109, 102, 204

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.



240, 173, 255



102, 204, 109



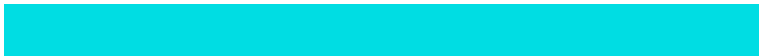
66, 147, 255

Square

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



102, 204, 109



0, 112, 227



172, 188, 255



255, 158, 169

Rectangle

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



102, 204, 109



94, 177, 220



172, 188, 255



255, 163, 234

Sweetspot

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



102, 204, 109



217, 255, 220



204, 110, 102



105, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



102, 204, 109



102, 255, 112



102, 204, 160



92, 102, 93



0, 166, 12



0, 38, 2

Inverse Universe

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



109, 102, 204



112, 102, 255



160, 102, 204



93, 92, 102



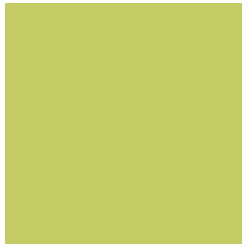
11, 0, 166



3, 0, 38

Previews

White Background



This preview shows how the RYB color 102, 204, 109 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 102, 204, 109 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 102, 204, 109 Background



This preview shows how black text looks on a background with the RYB color 102, 204, 109.

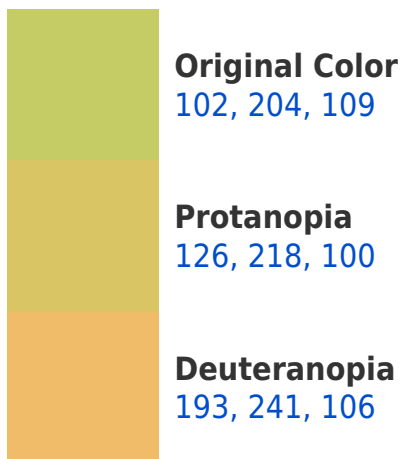


This preview shows how white text looks on a background with the RYB color 102, 204, 109.

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
208, 192, 207

Trichromacy



Original Color
102, 204, 109

Protanomaly
112, 210, 101

Deuteranomaly
147, 225, 105

Tritanomaly
179, 204, 169

Monochromacy



Original Color
102, 204, 109

Achromatopsia
190, 190, 190

Achromatomaly
158, 195, 160

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 204, 109 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(197, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(197, 204, 102)  
}
```

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(197, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 204, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 204, 109 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(197, 204, 102) }
```

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

```
.border{ border-color:rgb(197, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(197, 204,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 197, 204, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 204, 102) }
```

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

```
.background{ background-color: rgb(197,  
204, 102) }
```

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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