

Converting Colors

`RYB(102, 199, 116)`

Have a look what the booklet for
RYB(102, 199, 116) contains.

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Color

R_YB(102, 199, 116)

Conversions

Conversions Part 1

Format	Color
Hex	B9C766
RGB	185, 199, 102
RGB Percent	73%, 78%, 40%
CMY	0.2745, 0.2196, 0.6000
CMYK	0.07, 0.00, 0.49, 0.22
HSL	69°, 46%, 59%
HSV	69°, 49%, 78%
XYZ	42.8293, 52.1204, 20.3733
YIQ	183.7560, 22.7930, -33.1350

Conversions

Conversions Part 2

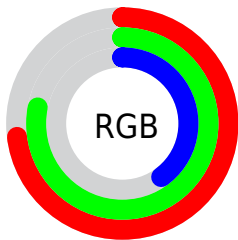
Format	Color
RYB	102, 199, 116
Decimal	12175206
CIELab	77.35, -19.05, 46.56
CIELCh	77, 50.309, 112.256
Yxy	52.1204, 0.3714, 0.4520
Android (android.graphics.Color)	4290365286 (0xFFB9C766)
YUV	183.7560, -40.3057, 1.0910
Hunter-Lab	72.1945, -20.4455, 33.8045

Details

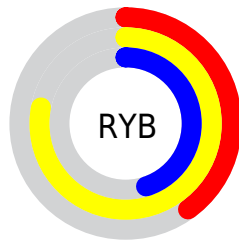
The RYB color **102, 199, 116** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **116, 102, 199**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **155, 255, 167**, and **51, 145, 66** is the 20% darker color. If you saturate the color by 10%, you get **82, 199, 99**, and if you desaturate by 10%, it is **122, 199, 133**.

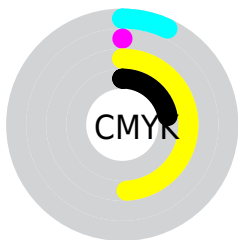
Distribution



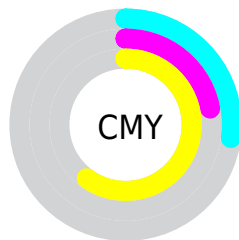
- Red (73%)
- Green (78%)
- Blue (40%)



- Red (40%)
- Yellow (78%)
- Blue (45%)



- Cyan (7%)
- Magenta (0%)
- Yellow (49%)
- Black (22%)




- Cyan (27%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 199, 116 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, 199, 116 by changing the saturation by 10% instead.

 102, 199, 116


255, 255, 255


 155, 255, 167


 183, 255, 183


 211, 255, 211

 239, 255, 239

 102, 199, 116

 76, 172, 91

 51, 145, 66

 24, 120, 41

 0, 95, 17


 0, 71, 18

 0, 49, 22

 0, 29, 29

 0, 0, 0

 102, 199, 116

 102, 199, 116

■ 82, 199, 99

■ 122, 199, 133

■ 62, 199, 82

■ 142, 199, 150

■ 42, 199, 65

■ 162, 199, 167

■ 22, 199, 47

■ 182, 199, 185

■ 3, 199, 31

■ 199, 199, 202

■ 0, 199, 29

■ 202, 199, 221

■ 205, 199, 241

■ 208, 199, 255

■ 211, 199, 255

Harmonies

Analogous

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



167, 230, 97



102, 199, 116



130, 207, 209

Triad

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



102, 199, 116



0, 115, 255



255, 154, 205

Complementary

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



102, 199, 116



116, 102, 199

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.



237, 166, 249



102, 199, 116



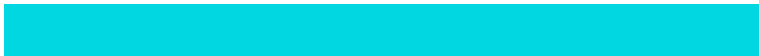
84, 153, 255

Square

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



102, 199, 116



0, 110, 225



176, 183, 255



255, 155, 158

Rectangle

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



102, 199, 116



83, 164, 213



176, 183, 255



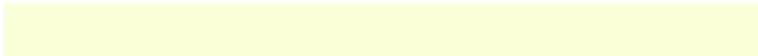
255, 157, 221

Sweetspot

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



102, 199, 116



217, 255, 223



199, 117, 102



105, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



102, 199, 116



107, 255, 128



102, 199, 163



90, 99, 91



0, 163, 23



0, 36, 5

Inverse Universe

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



116, 102, 199



128, 107, 255



163, 102, 199



91, 90, 99



24, 0, 163



5, 0, 36

Previews

White Background



This preview shows how the RYB color 102, 199, 116 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, 199, 116 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, 199, 116 Background



This preview shows how black text looks on a background with the RYB color 102, 199, 116.

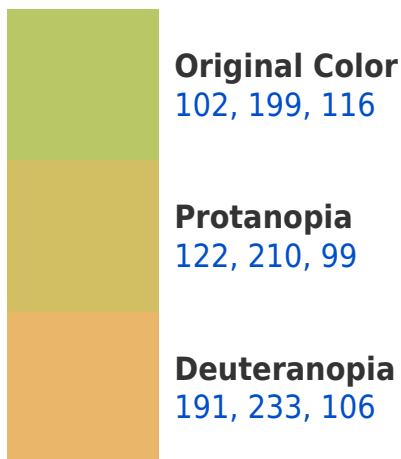


This preview shows how white text looks on a background with the RYB color 102, 199, 116.

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
197, 188, 203

Trichromacy



Original Color
102, 199, 116

Protanomaly
108, 201, 100

Deuteranomaly
142, 216, 105

Tritanomaly
167, 193, 166

Monochromacy



Original Color
102, 199, 116

Achromatopsia
184, 184, 184

Achromatomaly
154, 189, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 199, 116 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(185, 199, 102)` looks like.

```
.text, #text, p{  
    color:rgb(185, 199, 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(185, 199, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 199, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 199, 116 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(185, 199, 102) }
```

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

```
.border{ border-color:rgb(185, 199, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 199, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 199, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 199, 102);  
box-shadow:4px 4px 4px 4px rgb(185, 199,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 199, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 199, 102) }
```

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

```
.background{ background-color: rgb(185,  
199, 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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