

Converting Colors

`RYB(89, 203, 102)`

Have a look what the booklet for
RYB(89, 203, 102) contains.

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Color

R_YB(89, 203, 102)

Conversions

Conversions Part 1

Format	Color
Hex	BECB59
RGB	190, 203, 89
RGB Percent	75%, 80%, 35%
CMY	0.2549, 0.2039, 0.6510
CMYK	0.06, 0.00, 0.56, 0.20
HSL	67°, 52%, 57%
HSV	67°, 56%, 80%
XYZ	44.3943, 54.3803, 17.6078
YIQ	186.1170, 28.8460, -38.2100

Conversions

Conversions Part 2

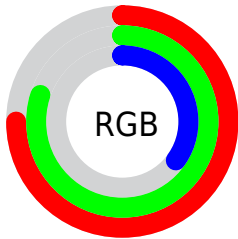
Format	Color
R_YB	89, 203, 102
Decimal	12503897
CIE _{Lab}	78.68, -20.17, 54.28
CIE _{LCh}	79, 57.911, 110.388
Yxy	54.3803, 0.3815, 0.4673
Android (android.graphics.Color)	4290693977 (0xFFBECB59)
YUV	186.1170, -47.8787, 3.4054
Hunter-Lab	73.7430, -21.5907, 37.4633

Details

The RYB color **89, 203, 102** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **102, 89, 203**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **143, 255, 150**, and **35, 149, 50** is the 20% darker color. If you saturate the color by 10%, you get **69, 203, 84**, and if you desaturate by 10%, it is **109, 203, 120**.

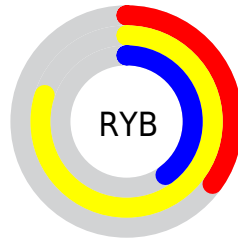
Distribution



Red (75%)

Green (80%)

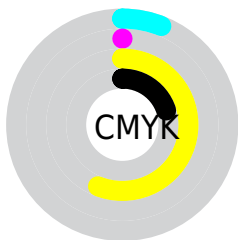
Blue (35%)



Red (35%)

Yellow (80%)

Blue (40%)

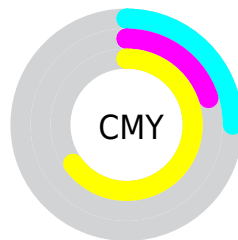


Cyan (6%)

Magenta (0%)

Yellow (56%)

Black (20%)



Cyan (25%)

Magenta (20%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 203, 102 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 89, 203, 102 by changing the saturation by 10% instead.

 89, 203, 102

 89, 203, 102


255, 255, 255

 63, 176, 77

 143, 255, 150

 35, 149, 50

 170, 255, 170

 0, 123, 16

 198, 255, 198

 0, 98, 17

 227, 255, 227

 0, 75, 20

 0, 52, 23

 0, 31, 31

 0, 0, 0

 89, 203, 102

 89, 203, 102

■ 69, 203, 84

■ 109, 203, 120

■ 48, 203, 66

■ 130, 203, 138

■ 28, 203, 48

■ 150, 203, 156

■ 8, 203, 30

■ 170, 203, 174

■ 0, 203, 23

■ 191, 203, 192

■ 204, 203, 211

■ 206, 203, 231

■ 209, 203, 251

■ 211, 203, 255

Harmonies

Analogous

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



171, 241, 86



89, 203, 102



123, 215, 211

Triad

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



89, 203, 102



0, 117, 255



255, 151, 214

Complementary

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



89, 203, 102



102, 89, 203

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.



244, 166, 255



89, 203, 102



0, 114, 255

Square

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



89, 203, 102



0, 113, 231



170, 184, 255



255, 151, 160

Rectangle

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



89, 203, 102



64, 161, 219



170, 184, 255



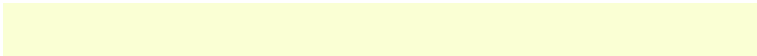
255, 154, 232

Sweetspot

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



89, 203, 102



212, 255, 217



203, 101, 89



102, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



89, 203, 102



84, 255, 103



89, 203, 157



92, 102, 93



0, 166, 19



0, 38, 4

Inverse Universe

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



102, 89, 203



104, 84, 255



157, 89, 203



93, 92, 102



19, 0, 166



4, 0, 38

Previews

White Background



This preview shows how the RYB color 89, 203, 102 looks on a white background.

Color Contrast Check

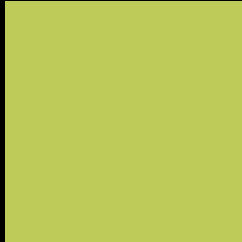
Large Text (above 18pt) WCAG AA × Fail

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 89, 203, 102 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 89, 203, 102 Background



This preview shows how black text looks on a background with the R Y B color 89, 203, 102.

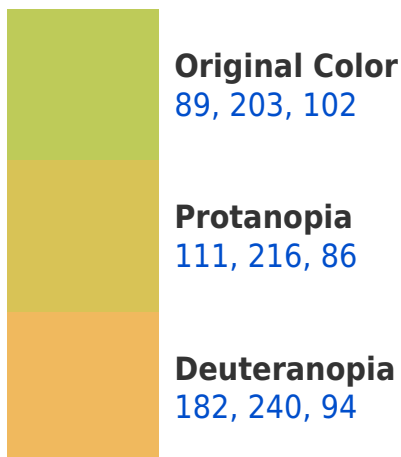



This preview shows how white text looks on a background with the R Y B color 89, 203, 102.

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
202, 191, 206

Trichromacy



Original Color
89, 203, 102

Protanomaly
97, 207, 87

Deuteranomaly
131, 222, 92

Tritanomaly
166, 198, 163

Monochromacy



Original Color
89, 203, 102

Achromatopsia
186, 186, 186

Achromatomaly
151, 192, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 203, 102 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(190, 203, 89)` looks like.

```
.text, #text, p{  
    color:rgb(190, 203, 89)  
}
```

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(190, 203, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 203, 89) }
```

Border

The CSS property to change the border of an element to RYB 89, 203, 102 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(190, 203, 89) }
```

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

```
.border{ border-color:rgb(190, 203, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 203, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 203, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 203, 89);  
box-shadow:4px 4px 4px 4px rgb(190, 203,  
89) }
```

Background

The CSS property to change the background color of an element to RYB 89, 203, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 203, 89) }
```

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

```
.background{ background-color: rgb(190,  
203, 89) }
```

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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