

Converting Colors

`RYB(107, 212, 122)`

Have a look what the booklet for
RYB(107, 212, 122) contains.

RYB(107, 212, 122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(107, 212, 122)

Conversions

Conversions Part 1

Format	Color
Hex	C5D46B
RGB	197, 212, 107
RGB Percent	77%, 83%, 42%
CMY	0.2275, 0.1686, 0.5804
CMYK	0.07, 0.00, 0.50, 0.17
HSL	69°, 55%, 63%
HSV	69°, 50%, 83%
XYZ	49.2233, 60.0188, 22.9004
YIQ	195.5450, 24.7650, -35.8350

Conversions

Conversions Part 2

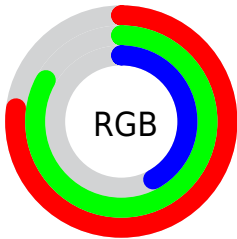
Format	Color
RYB	107, 212, 122
Decimal	12964971
CIELab	81.85, -20.23, 49.77
CIELCh	82, 53.721, 112.126
Yxy	60.0188, 0.3725, 0.4542
Android (android.graphics.Color)	4291155051 (0xFFC5D46B)
YUV	195.5450, -43.6527, 1.2760
Hunter-Lab	77.4718, -22.1621, 36.7044

Details

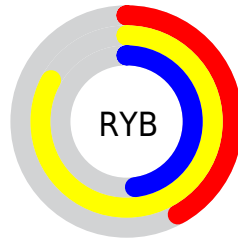
The RYB color **107, 212, 122** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **122, 107, 212**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **161, 255, 161**, and **55, 157, 71** is the 20% darker color. If you saturate the color by 10%, you get **86, 212, 104**, and if you desaturate by 10%, it is **128, 212, 140**.

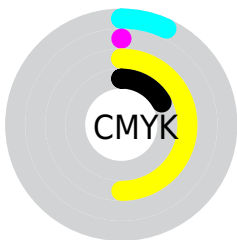
Distribution



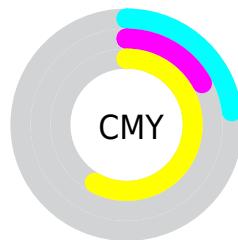
- Red (77%)
- Green (83%)
- Blue (42%)



- Red (42%)
- Yellow (83%)
- Blue (48%)



- Cyan (7%)
- Magenta (0%)
- Yellow (50%)
- Black (17%)



- Cyan (23%)
- Magenta (17%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the RYB color 107, 212, 122 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, 212, 122 by changing the saturation by 10% instead.

 107, 212, 122

 107, 212, 122


255, 255, 255

 81, 184, 96


 161, 255, 161

 55, 157, 71


 188, 255, 188

 28, 131, 45

 217, 255, 217


 0, 106, 18

 246, 255, 246

 0, 82, 20

 0, 59, 22

 0, 37, 27

 0, 12, 12

 0, 0, 0

■ 107, 212, 122

■ 107, 212, 122

■ 86, 212, 104

■ 128, 212, 140

■ 65, 212, 86

■ 149, 212, 158

■ 43, 212, 67

■ 171, 212, 177

■ 22, 212, 49

■ 192, 212, 195

■ 1, 212, 31

■ 212, 212, 213

■ 0, 212, 30

■ 215, 212, 234

■ 218, 212, 255

■ 221, 212, 255

■ 224, 212, 255

Harmonies

Analogous

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



179, 246, 102



107, 212, 122



138, 221, 223

Triad

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



107, 212, 122



0, 119, 255



255, 163, 219

Complementary

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



107, 212, 122



122, 107, 212

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.



253, 176, 255



107, 212, 122



84, 158, 255

Square

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



107, 212, 122



0, 117, 240



187, 194, 255



255, 164, 168

Rectangle

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



107, 212, 122



86, 174, 227



187, 194, 255



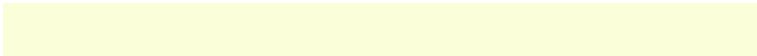
255, 166, 236

Sweetspot

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



107, 212, 122



217, 255, 222



212, 123, 107



105, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



107, 212, 122



105, 255, 126



107, 212, 173



96, 107, 97



0, 171, 25



0, 43, 6

Inverse Universe

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



122, 107, 212



126, 105, 255



174, 107, 212



98, 96, 107



24, 0, 171



6, 0, 43

Previews

White Background



This preview shows how the RYB color 107, 212, 122 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, 212, 122 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 107, 212, 122 Background



This preview shows how black text looks on a background with the RYB color 107, 212, 122.

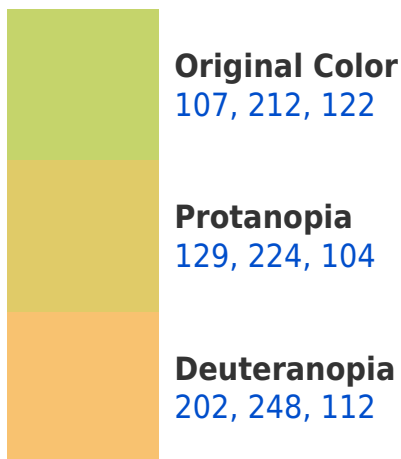


This preview shows how white text looks on a background with the RYB color 107, 212, 122.

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
209, 200, 216

Trichromacy



Original Color
107, 212, 122

Protanomaly
114, 214, 105

Deuteranomaly
147, 229, 110

Tritanomaly
177, 205, 176

Monochromacy



Original Color
107, 212, 122

Achromatopsia
196, 196, 196

Achromatomaly
164, 202, 170

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 212, 122 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, 212, 107)` looks like.

```
.text, #text, p{  
    color:rgb(197, 212, 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(197, 212, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 212, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 212, 122 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, 212, 107) }
```

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

```
.border{ border-color:rgb(197, 212, 107) }
```

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

Here you see how a box with a 4 pixel rgb(197, 212, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 212, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 212, 107);  
box-shadow:4px 4px 4px 4px rgb(197, 212,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 212, 122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 212, 107) }
```

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

```
.background{ background-color: rgb(197,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor