

Converting Colors

`RYB(85, 205, 142)`

Have a look what the booklet for
RYB(85, 205, 142) contains.

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Color

R_YB(85, 205, 142)

Conversions

Conversions Part 1

Format	Color
Hex	94CD55
RGB	148, 205, 85
RGB Percent	58%, 80%, 33%
CMY	0.4196, 0.1961, 0.6667
CMYK	0.28, 0.00, 0.59, 0.20
HSL	88°, 55%, 57%
HSV	88°, 59%, 80%
XYZ	35.6838, 50.6144, 16.4832
YIQ	174.2770, 4.5480, -49.4040

Conversions

Conversions Part 2

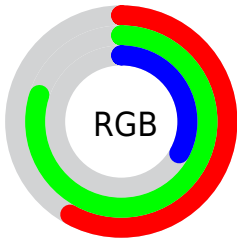
Format	Color
R _Y B	85, 205, 142
Decimal	9751893
CIE Lab	76.44, -37.77, 52.80
CIE LCh	76, 64.914, 125.578
Yxy	50.6144, 0.3472, 0.4924
Android (android.graphics.Color)	4287941973 (0xFF94CD55)
YUV	174.2770, -44.0136, -23.0449
Hunter-Lab	71.1438, -34.9710, 36.0639

Details

The RYB color **85, 205, 142** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **142, 85, 205**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **138, 255, 188**, and **30, 150, 87** is the 20% darker color. If you saturate the color by 10%, you get **65, 205, 132**, and if you desaturate by 10%, it is **105, 205, 152**.

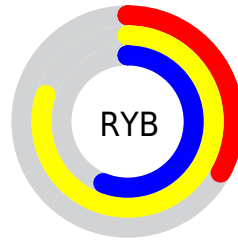
Distribution



Red (58%)

Green (80%)

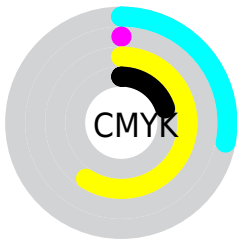
Blue (33%)



Red (33%)

Yellow (80%)

Blue (56%)

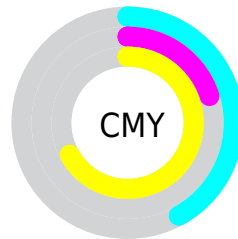


Cyan (28%)

Magenta (0%)

Yellow (59%)

Black (20%)



Cyan (42%)

















Magenta (20%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 205, 142 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 85, 205, 142 by changing the saturation by 10% instead.

 85, 205, 142	 85, 205, 142
 255, 255, 255	 58, 177, 115
 138, 255, 188	 30, 150, 87
 166, 255, 187	 0, 124, 58
 194, 255, 194	 0, 99, 62
 223, 255, 223	 0, 74, 74
 252, 255, 252	 0, 51, 51
	 0, 31, 31
	 0, 0, 0

 85, 205, 142	 85, 205, 142
--	--

■ 65, 205, 132

■ 105, 205, 152

■ 44, 205, 120

■ 126, 205, 164

■ 23, 205, 109

■ 147, 205, 175

■ 3, 205, 99

■ 167, 205, 185

■ 0, 205, 97

■ 187, 205, 195

■ 206, 205, 208

■ 216, 205, 228

■ 226, 205, 249

■ 236, 205, 255

Harmonies

Analogous

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



86, 211, 60



85, 205, 142



46, 155, 214

Triad

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



85, 205, 142



0, 115, 255



255, 134, 180

Complementary

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



85, 205, 142



142, 85, 205

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.



255, 144, 239



85, 205, 142



86, 151, 255

Square

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



85, 205, 142



0, 117, 255



206, 168, 255



255, 150, 122

Rectangle

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



85, 205, 142



0, 120, 217



206, 168, 255



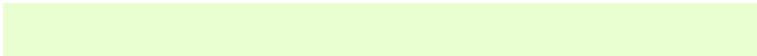
255, 135, 200

Sweetspot

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



85, 205, 142



209, 255, 231



205, 190, 85



99, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



85, 205, 142



77, 255, 162



85, 205, 201



92, 102, 97



0, 166, 79



0, 38, 18

Inverse Universe

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



142, 85, 205



161, 77, 255



201, 85, 205



97, 92, 102



79, 0, 166



18, 0, 38

Previews

White Background



This preview shows how the RYB color 85, 205, 142 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 85, 205, 142 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 85, 205, 142 Background



This preview shows how black text looks on a background with the RYB color 85, 205, 142.

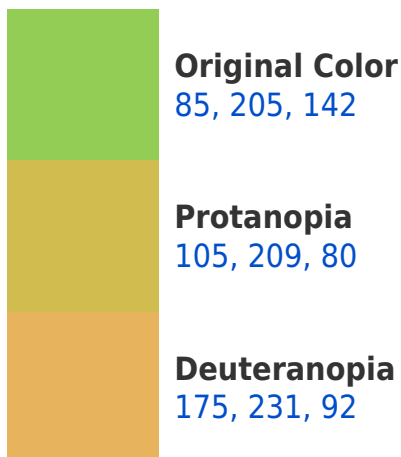


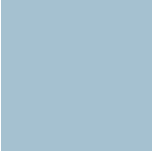
This preview shows how white text looks on a background with the RYB color 85, 205, 142.

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
165, 182, 208

Trichromacy



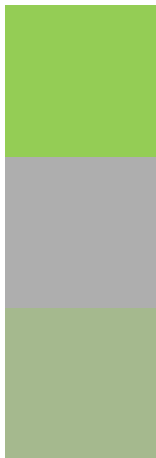
Original Color
85, 205, 142

Protanomaly
82, 194, 89

Deuteranomaly
104, 201, 89

Tritanomaly
159, 193, 197

Monochromacy



Original Color
85, 205, 142

Achromatopsia
174, 174, 174

Achromatomaly
142, 185, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 205, 142 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(148, 205, 85)` looks like.

```
.text, #text, p{  
    color:rgb(148, 205, 85)  
}
```

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(148, 205, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 205, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 205, 142 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(148, 205, 85) }
```

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

```
.border{ border-color:rgb(148, 205, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 205, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 205, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 205, 85);  
box-shadow:4px 4px 4px 4px rgb(148, 205,  
85) }
```

Background

The CSS property to change the background color of an element to RGB 148, 205, 85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 205, 85) }
```

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

```
.background{ background-color: rgb(148,  
205, 85) }
```

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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