

Converting Colors

`RYB(85, 185, 185)`

Have a look what the booklet for
RYB(85, 185, 185) contains.

RYB(85, 185, 185)	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

$\text{RYB}(85, 185, 185)$

Conversions

Conversions Part 1

Format	Color
Hex	55B955
RGB	85, 185, 85
RGB Percent	33%, 73%, 33%
CMY	0.6667, 0.2745, 0.6667
CMYK	0.54, 0.00, 0.54, 0.27
HSL	120°, 42%, 53%
HSV	120°, 54%, 73%
XYZ	22.7350, 37.2851, 14.5928
YIQ	143.7000, -27.5000, -52.3000

Conversions

Conversions Part 2

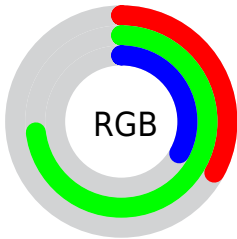
Format	Color
RYB	85, 185, 185
Decimal	5618005
CIELab	67.49, -49.50, 41.60
CIElCh	67, 64.655, 139.955
Yxy	37.2851, 0.3047, 0.4997
Android (android.graphics.Color)	4283808085 (0xFF55B955)
YUV	143.7000, -28.9391, -51.4799
Hunter-Lab	61.0615, -40.3970, 28.5736

Details

The RYB color **85, 185, 185** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **185, 85, 185**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **137, 242, 237**, and **14, 114, 131** is the 20% darker color. If you saturate the color by 10%, you get **66, 185, 185**, and if you desaturate by 10%, it is **104, 185, 185**.

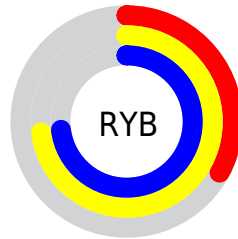
Distribution



Red (33%)

Green (73%)

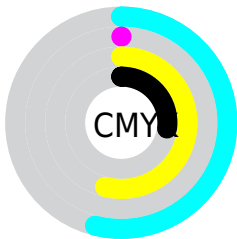
Blue (33%)



Red (33%)

Yellow (73%)

Blue (73%)

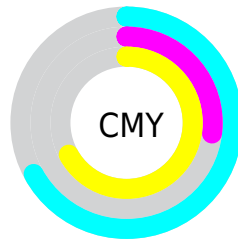


Cyan (54%)

Magenta (0%)

Yellow (54%)

Black (27%)



Cyan (67%)

Magenta (27%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 185, 185 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, 185, 185 by changing the saturation by 10% instead.



85, 185, 185



85, 185, 185

255, 255, 255



55, 153, 158



137, 242, 237



14, 114, 131



164, 255, 248



0, 101, 105



192, 255, 247



0, 80, 80



220, 255, 246



0, 56, 56



249, 255, 249



0, 33, 33



0, 0, 0



85, 185, 185




85, 185, 185




66, 185, 185





104, 185, 185

 48, 185, 185

 122, 185, 185

 29, 185, 185

 141, 185, 185


 11, 185, 185

 159, 185, 185


 0, 185, 185

 178, 185, 185

 196, 185, 196

 214, 185, 214

 233, 185, 233

 252, 185, 252

Harmonies

Analogous

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



42, 173, 58



85, 185, 185



0, 110, 191

Triad

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



85, 185, 185



0, 104, 255



255, 112, 128

Complementary

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



85, 185, 185



185, 85, 185

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, 112, 187



85, 185, 185



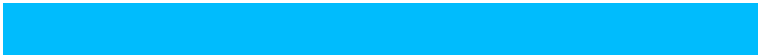
128, 152, 255

Square

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



85, 185, 185



0, 108, 253



216, 132, 240



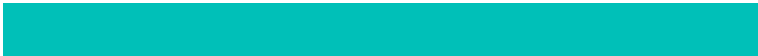
251, 156, 76

Rectangle

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



85, 185, 185



0, 98, 192



216, 132, 240



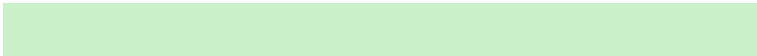
255, 109, 147

Sweetspot

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



85, 185, 185



201, 240, 240



85, 185, 85



97, 120, 120



247, 247, 247



120, 120, 120

Same Dimension

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



85, 185, 185



84, 240, 240



85, 152, 185



83, 92, 92



0, 156, 156



0, 28, 28

Inverse Universe

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



185, 85, 185



240, 84, 240



185, 85, 135



92, 83, 92



156, 0, 156



28, 0, 28

Previews

White Background



This preview shows how the RYB color 85, 185, 185 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, 185, 185 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 85, 185, 185 Background



This preview shows how black text looks on a background with the RYB color 85, 185, 185.

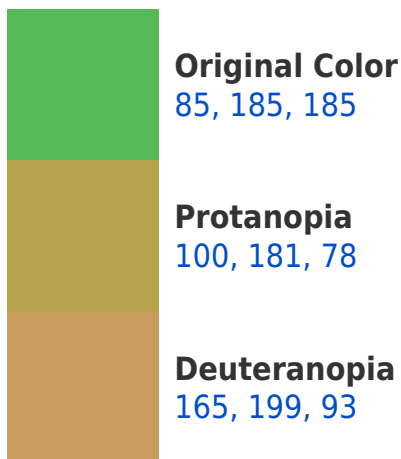


This preview shows how white text looks on a background with the RYB color 85, 185, 185.

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
108, 144, 188

Trichromacy



Original Color

85, 185, 185



Protanomaly

81, 171, 106



Deuteranomaly

90, 167, 99



Tritanomaly

100, 147, 178

Monochromacy



Original Color

85, 185, 185



Achromatopsia

144, 144, 144



Achromatomaly

123, 159, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 185, 185 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(85, 185, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 185, 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(85, 185, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 185, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 185, 185 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(85, 185, 85) }
```

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

```
.border{ border-color:rgb(85, 185, 85) }
```

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

Here you see how a box with a 4 pixel rgb(85, 185, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 185, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 185, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 185,  
85) }
```

Background

The CSS property to change the background color of an element to RGB 85, 185, 85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 185, 85) }
```

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

```
.background{ background-color: rgb(85, 185,  
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](#).

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