

Converting Colors

`RYB(0, 185, 85)`

Have a look what the booklet for
RYB(0, 185, 85) contains.

RYB(0, 185, 85)	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

$\text{RYB}(0, 185, 85)$

Conversions

Conversions Part 1

Format	Color
Hex	64B900
RGB	100, 185, 0
RGB Percent	39%, 73%, 0%
CMY	0.6078, 0.2745, 1.0000
CMYK	0.46, 0.00, 1.00, 0.27
HSL	88°, 100%, 36%
HSV	88°, 100%, 73%
XYZ	22.6045, 37.4072, 6.0289
YIQ	138.4950, 8.7250, -75.5550

Conversions

Conversions Part 2

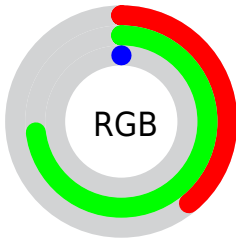
Format	Color
RYB	0, 185, 85
Decimal	6600960
CIELab	67.58, -50.48, 67.88
CIELCh	68, 84.592, 126.640
Yxy	37.4072, 0.3423, 0.5664
Android (android.graphics.Color)	4284791040 (0xFF64B900)
YUV	138.4950, -68.2780, -33.7601
Hunter-Lab	61.1615, -41.0613, 36.9686

Details

The RYB color **0, 185, 85** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **85, 0, 185**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **78, 242, 162**, and **0, 131, 95** is the 20% darker color. If you saturate the color by 10%, you get **0, 185, 85**, and if you desaturate by 10%, it is **18, 185, 94**.

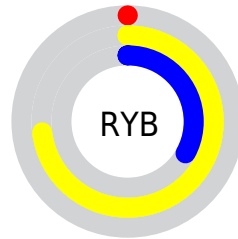
Distribution



Red (39%)

Green (73%)

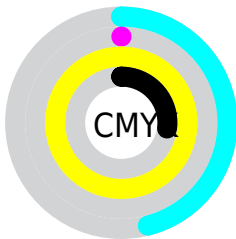
Blue (0%)



Red (0%)

Yellow (73%)

Blue (33%)

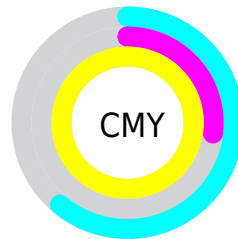


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (61%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the RYB color 0, 185, 85 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 0, 185, 85 by changing the saturation by 10% instead.


 0, 185, 85

 0, 185, 85


255, 255, 255

 0, 158, 88

 78, 242, 162

 0, 131, 95

 107, 255, 174

 0, 105, 105


 135, 255, 173

 0, 80, 80

 163, 255, 171

 0, 56, 56


 192, 255, 192

 0, 34, 34


 221, 255, 221


 0, 0, 0


 250, 255, 250


 0, 185, 85


 18, 185, 94


 37, 185, 105

 56, 185, 115

 74, 185, 125

 93, 185, 135

 111, 185, 145

 130, 185, 155

 148, 185, 165

 167, 185, 175

Harmonies

Analogous

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



18, 183, 0



0, 185, 85



0, 129, 195

Triad

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



0, 185, 85



0, 109, 255



255, 74, 151

Complementary

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



0, 185, 85



85, 0, 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, 95, 227



0, 185, 85



0, 102, 255

Square

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



0, 185, 85



0, 111, 254



185, 136, 255



255, 103, 77

Rectangle

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



0, 185, 85



0, 112, 198



185, 136, 255



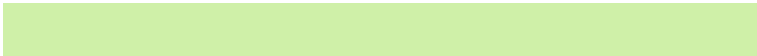
255, 76, 177

Sweetspot

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



0, 185, 85



168, 240, 201



185, 151, 0



77, 120, 97



247, 247, 247



120, 120, 120

Same Dimension

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



0, 185, 85



0, 240, 110



0, 185, 176



83, 92, 87



0, 156, 72



0, 28, 13

Inverse Universe

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



85, 0, 185



110, 0, 240



176, 0, 185



87, 83, 92



71, 0, 156



13, 0, 28

Previews

White Background



This preview shows how the RYB color 0, 185, 85 looks on a white background.

Color Contrast Check

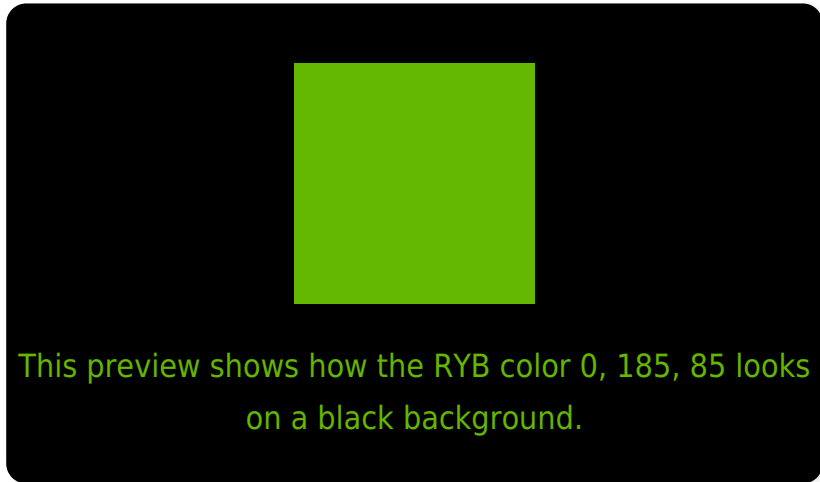
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 0, 185, 85 Background



This preview shows how black text looks on a background with the RYB color 0, 185, 85.



This preview shows how white text looks on a background with the RYB color 0, 185, 85.

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



Original Color


0, 185, 85

Protanopia

24, 185, 0

Deuteranopia

110, 206, 37



Tritanopia
123, 151, 186

Trichromacy



Original Color

0, 185, 85

Protanomaly

0, 172, 18

Deuteranomaly

25, 167, 24

Tritanomaly

115, 174, 177

Monochromacy



Original Color

0, 185, 85

Achromatopsia

138, 138, 138

Achromatomaly

88, 155, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 185, 85 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(100, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 185, 0)  
}
```

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(100, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 185, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 185, 85 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(100, 185, 0) }
```

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

```
.border{ border-color:rgb(100, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 185,  
0) }
```

Background

The CSS property to change the background color of an element to RYB 0, 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(100, 185, 0) }
```

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

```
.background{ background-color: rgb(100,  
185, 0) }
```

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