

Converting Colors

`RYB(51, 199, 164)`

Have a look what the booklet for
RYB(51, 199, 164) contains.

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Color

`RYB(51, 199, 164)`

Conversions

Conversions Part 1

Format	Color
Hex	56C733
RGB	86, 199, 51
RGB Percent	34%, 78%, 20%
CMY	0.6627, 0.2196, 0.8000
CMYK	0.57, 0.00, 0.74, 0.22
HSL	106°, 59%, 49%
HSV	106°, 74%, 78%
XYZ	24.8587, 43.0643, 10.1340
YIQ	148.3410, -19.8400, -69.9840

Conversions

Conversions Part 2

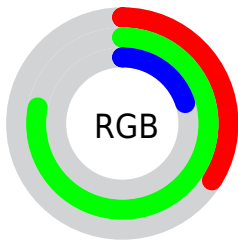
Format	Color
RYB	51, 199, 164
Decimal	5687091
CIELab	71.60, -57.83, 60.40
CIELCh	72, 83.615, 133.755
Yxy	43.0643, 0.3185, 0.5517
Android (android.graphics.Color)	4283877171 (0xFF56C733)
YUV	148.3410, -47.9891, -54.6731
Hunter-Lab	65.6234, -47.2236, 36.7804

Details

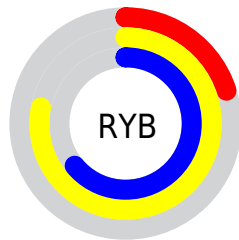
The RYB color **51, 199, 164** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **164, 51, 199**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **107, 255, 216**, and **0, 144, 144** is the 20% darker color. If you saturate the color by 10%, you get **31, 199, 159**, and if you desaturate by 10%, it is **71, 199, 169**.

Distribution



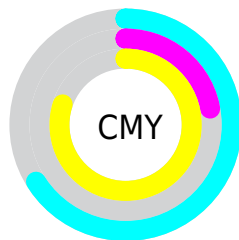
- Red (34%)
- Green (78%)
- Blue (20%)



- Red (20%)
- Yellow (78%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (74%)
- Black (22%)






















- Cyan (66%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 199, 164 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 51, 199, 164 by changing the saturation by 10% instead.

 51, 199, 164	 51, 199, 164
 255, 255, 255	 15, 171, 134
 107, 255, 216	 0, 144, 144
 135, 255, 214	 0, 117, 117
 163, 255, 212	 0, 92, 92
 191, 255, 210	 0, 67, 67
 220, 255, 220	 0, 44, 44
 249, 255, 249	 0, 11, 11
	 0, 0, 0
 51, 199, 164	 51, 199, 164

■ 31, 199, 159

■ 71, 199, 169

■ 11, 199, 154

■ 91, 199, 174

■ 0, 199, 152

■ 111, 199, 178

■ 131, 199, 183

■ 151, 199, 188

■ 170, 199, 192

■ 190, 199, 197

■ 208, 199, 210

■ 223, 199, 230

Harmonies

Analogous

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



0, 183, 5



51, 199, 164



0, 127, 207

Triad

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



51, 199, 164



0, 111, 255



255, 93, 144

Complementary

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



51, 199, 164



164, 51, 199

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, 101, 220



51, 199, 164



53, 128, 255

Square

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



51, 199, 164



0, 114, 255



222, 138, 255



255, 141, 72

Rectangle

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



51, 199, 164



0, 112, 210



222, 138, 255



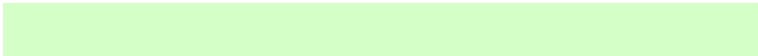
255, 90, 169

Sweetspot

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



51, 199, 164



199, 255, 242



100, 199, 51



94, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



51, 199, 164



28, 255, 201



51, 169, 199



90, 99, 97



0, 163, 124



0, 36, 28

Inverse Universe

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



164, 51, 199



201, 28, 255



199, 51, 162



97, 90, 99



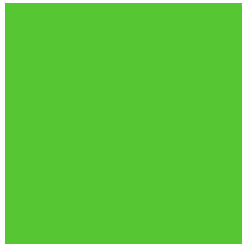
125, 0, 163



27, 0, 36

Previews

White Background



This preview shows how the RYB color 51, 199, 164 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 51, 199, 164 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](#).

RGB 51, 199, 164 Background



This preview shows how black text looks on a background with the RGB color 51, 199, 164.



This preview shows how white text looks on a background with the RGB color 51, 199, 164.

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

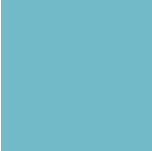
51, 199, 164

Protanopia

71, 196, 45

Deuteranopia

143, 217, 64



Tritanopia
115, 154, 201

Trichromacy



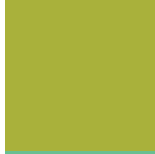
Original Color

51, 199, 164



Protanomaly

47, 183, 74



Deuteranomaly

59, 177, 67



Tritanomaly

104, 163, 191

Monochromacy



Original Color

51, 199, 164



Achromatopsia

148, 148, 148



Achromatomaly

113, 167, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 199, 164 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(86, 199, 51)` looks like.

```
.text, #text, p{  
    color:rgb(86, 199, 51)  
}
```

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(86, 199, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 199, 51) }
```

Border

The CSS property to change the border of an element to RYB 51, 199, 164 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(86, 199, 51) }
```

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

```
.border{ border-color:rgb(86, 199, 51) }
```

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

Here you see how a box with a 4 pixel rgb(86, 199, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 199, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 199, 51);  
box-shadow:4px 4px 4px 4px rgb(86, 199,  
51) }
```

Background

The CSS property to change the background color of an element to RYB 51, 199, 164 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 199, 51) }
```

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

```
.background{ background-color: rgb(86, 199,  
51) }
```

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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