

Converting Colors

`RYB(51, 197, 213)`

Have a look what the booklet for
RYB(51, 197, 213) contains.

RYB(51, 197, 213)	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

$\text{RYB}(51, 197, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	33D545
RGB	51, 213, 69
RGB Percent	20%, 84%, 27%
CMY	0.8000, 0.1647, 0.7304
CMYK	0.76, 0.00, 0.68, 0.16
HSL	127°, 66%, 52%
HSV	127°, 76%, 84%
XYZ	26.2260, 48.7189, 13.6116
YIQ	148.1460, -50.3280, -79.1280

Conversions

Conversions Part 2

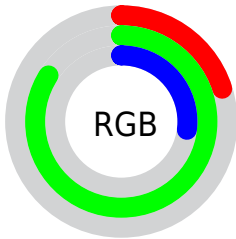
Format	Color
RYB	51, 197, 213
Decimal	3396933
CIELab	75.28, -67.92, 57.37
CIELCh	75, 88.906, 139.813
Yxy	48.7189, 0.2962, 0.5501
Android (android.graphics.Color)	4281587013 (0xFF33D545)
YUV	148.1460, -39.0190, -85.1970
Hunter-Lab	69.7989, -55.0791, 37.2970

Details

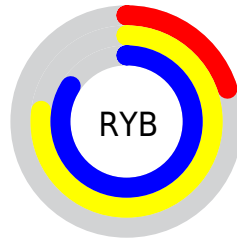
The RYB color **51, 197, 213** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **213, 51, 195**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **123, 254, 255**, and **0, 157, 157** is the 20% darker color. If you saturate the color by 10%, you get **30, 195, 213**, and if you desaturate by 10%, it is **72, 199, 213**.

Distribution



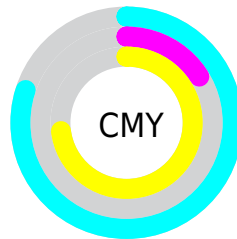
- Red (20%)
- Green (84%)
- Blue (27%)



- Red (20%)
- Yellow (77%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (68%)
- Black (16%)















- Cyan (80%)
- Magenta (16%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 197, 213 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, 197, 213 by changing the saturation by 10% instead.

 51, 197, 213	 51, 197, 213
255, 255, 255	 0, 152, 185
 123, 255, 255	 0, 157, 157
 151, 255, 252	 0, 130, 130
 179, 255, 249	 0, 103, 103
 208, 255, 247	 0, 77, 77
 237, 255, 245	 0, 54, 54
	 0, 27, 27
	 0, 0, 0

 51, 197, 213  51, 197, 213

■ 30, 195, 213

■ 72, 199, 213

■ 8, 192, 213

■ 94, 201, 213

■ 0, 192, 213

■ 115, 203, 213

■ 136, 205, 213

■ 158, 208, 213

■ 179, 209, 213

■ 200, 211, 213

■ 221, 213, 220

■ 243, 213, 239

Harmonies

Analogous

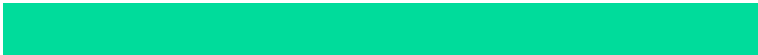
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 198, 27



51, 197, 213



0, 129, 220

Triad

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



51, 197, 213



0, 113, 255



255, 99, 135

Complementary

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



51, 197, 213



213, 51, 195

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, 99, 217



51, 197, 213



116, 158, 255

Square

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



51, 197, 213



0, 118, 255



255, 136, 255



255, 184, 58

Rectangle

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



51, 197, 213



0, 114, 222



255, 136, 255



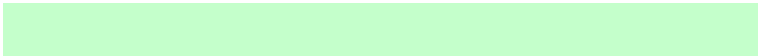
255, 93, 162

Sweetspot

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



51, 197, 213



196, 249, 255



51, 213, 67



92, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



51, 197, 213



23, 232, 255



51, 152, 213



96, 105, 107



0, 154, 171



0, 39, 43

Inverse Universe

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



213, 51, 195



255, 23, 230



213, 51, 116



107, 96, 106



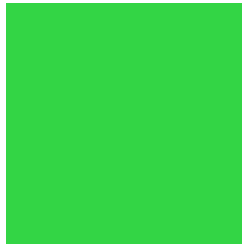
171, 0, 152



43, 0, 39

Previews

White Background



This preview shows how the RYB color 51, 197, 213 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, 197, 213 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, 197, 213 Background



This preview shows how black text looks on a background with the RGB color 51, 197, 213.

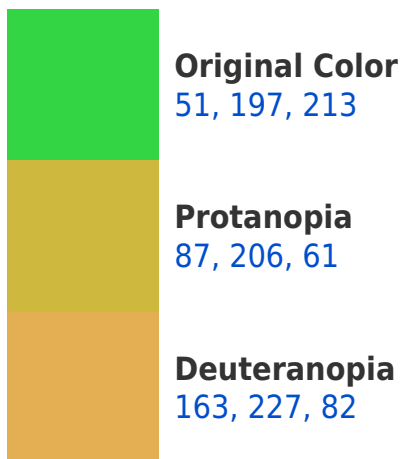


This preview shows how white text looks on a background with the RGB color 51, 197, 213.

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
98, 152, 215

Trichromacy



Original Color

51, 197, 213



Protanomaly

64, 195, 109



Deuteranomaly

77, 189, 103



Tritanomaly

81, 155, 204

Monochromacy



Original Color

51, 197, 213



Achromatopsia

148, 148, 148



Achromatomaly

113, 167, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 197, 213 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(51, 213, 69)` looks like.

```
.text, #text, p{  
    color:rgb(51, 213, 69)  
}
```

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(51, 213, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 213, 69) }
```

Border

The CSS property to change the border of an element to RYB 51, 197, 213 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(51, 213, 69) }
```

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

```
.border{ border-color:rgb(51, 213, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 213, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 213, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 213, 69);  
box-shadow:4px 4px 4px 4px rgb(51, 213,  
69) }
```

Background

The CSS property to change the background color of an element to RGB 51, 197, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 213, 69) }
```

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

```
.background{ background-color: rgb(51, 213,  
69) }
```

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