

Converting Colors

`RYB(49, 207, 153)`

Have a look what the booklet for
RYB(49, 207, 153) contains.

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Color

RYB(49, 207, 153)

Conversions

Conversions Part 1

Format	Color
Hex	67CF31
RGB	103, 207, 49
RGB Percent	40%, 81%, 19%
CMY	0.5961, 0.1882, 0.8078
CMYK	0.50, 0.00, 0.76, 0.19
HSL	99°, 62%, 50%
HSV	99°, 76%, 81%
XYZ	28.4607, 47.7310, 10.6187
YIQ	157.8920, -11.2660, -71.1860

Conversions

Conversions Part 2

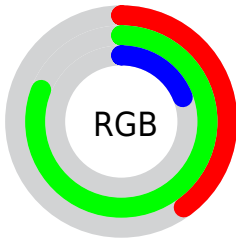
Format	Color
RYB	49, 207, 153
Decimal	6803249
CIELab	74.65, -56.25, 64.24
CIELCh	75, 85.386, 131.203
Yxy	47.7310, 0.3278, 0.5498
Android (android.graphics.Color)	4284993329 (0xFF67CF31)
YUV	157.8920, -53.6838, -48.1403
Hunter-Lab	69.0876, -47.3700, 39.2485

Details

The RYB color **49, 207, 153** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **153, 49, 207**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **107, 255, 200**, and **0, 152, 117** is the 20% darker color. If you saturate the color by 10%, you get **28, 207, 146**, and if you desaturate by 10%, it is **70, 207, 160**.

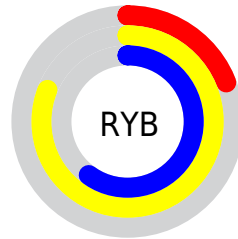
Distribution



Red (40%)

Green (81%)

Blue (19%)



Red (19%)

Yellow (81%)

Blue (60%)

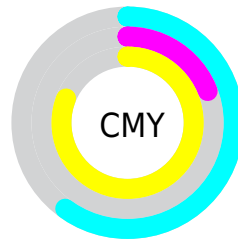


Cyan (50%)

Magenta (0%)

Yellow (76%)

Black (19%)



Cyan (60%)

Magenta (19%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 207, 153 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 49, 207, 153 by changing the saturation by 10% instead.



49, 207, 153



49, 207, 153

255, 255, 255



7, 179, 114



107, 255, 200



0, 152, 117



134, 255, 197



0, 125, 125



163, 255, 196



0, 99, 99



191, 255, 194



0, 74, 74



220, 255, 220



0, 51, 51



250, 255, 250



0, 25, 25



0, 0, 0



49, 207, 153



49, 207, 153

■ 28, 207, 146

■ 70, 207, 160

■ 8, 207, 139

■ 90, 207, 167

■ 0, 207, 136

■ 111, 207, 174

■ 132, 207, 181

■ 153, 207, 189

■ 173, 207, 195

■ 194, 207, 203

■ 212, 207, 215

■ 226, 207, 235

Harmonies

Analogous

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



4, 193, 0



49, 207, 153



0, 135, 216

Triad

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



49, 207, 153



0, 114, 255



255, 99, 158

Complementary

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



49, 207, 153



153, 49, 207

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, 111, 236



49, 207, 153



0, 107, 255

Square

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



49, 207, 153



0, 117, 255



223, 148, 255



255, 140, 83

Rectangle

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



49, 207, 153



0, 119, 219



223, 148, 255



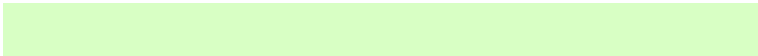
255, 98, 184

Sweetspot

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



49, 207, 153



196, 255, 235



133, 207, 49



92, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



49, 207, 153



20, 255, 174



49, 186, 207



94, 105, 101



0, 168, 110



0, 41, 27

Inverse Universe

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



153, 49, 207



175, 20, 255



207, 49, 183



101, 94, 105



111, 0, 168



27, 0, 41

Previews

White Background



This preview shows how the RYB color 49, 207, 153 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 49, 207, 153 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 49, 207, 153 Background



This preview shows how black text looks on a background with the RGB color 49, 207, 153.

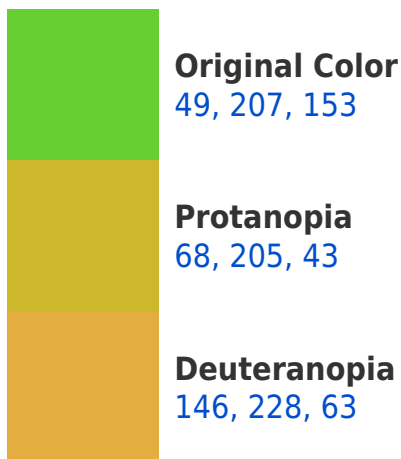


This preview shows how white text looks on a background with the RGB color 49, 207, 153.

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
130, 165, 208

Trichromacy



Original Color

49, 207, 153



Protanomaly

45, 192, 69



Deuteranomaly

58, 185, 60



Tritanomaly

120, 176, 198

Monochromacy



Original Color

49, 207, 153



Achromatopsia

158, 158, 158



Achromatomaly

118, 176, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 207, 153 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(103, 207, 49)` looks like.

```
.text, #text, p{  
    color:rgb(103, 207, 49)  
}
```

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(103, 207, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 207, 49) }
```

Border

The CSS property to change the border of an element to RYB 49, 207, 153 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(103, 207, 49) }
```

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

```
.border{ border-color:rgb(103, 207, 49) }
```

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

Here you see how a box with a 4 pixel rgb(103, 207, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 207, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 207, 49);  
box-shadow:4px 4px 4px 4px rgb(103, 207,  
49) }
```

Background

The CSS property to change the background color of an element to RYB 49, 207, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 207, 49) }
```

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

```
.background{ background-color: rgb(103,  
207, 49) }
```

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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