

Converting Colors

`RYB(50, 219, 180)`

Have a look what the booklet for
RYB(50, 219, 180) contains.

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Color

RYB(50, 219, 180)

Conversions

Conversions Part 1

Format	Color
Hex	59DB32
RGB	89, 219, 50
RGB Percent	35%, 86%, 20%
CMY	0.6510, 0.1412, 0.8039
CMYK	0.59, 0.00, 0.77, 0.14
HSL	106°, 70%, 53%
HSV	106°, 77%, 86%
XYZ	30.0271, 53.0172, 11.6684
YIQ	160.8640, -23.2310, -80.1190

Conversions

Conversions Part 2

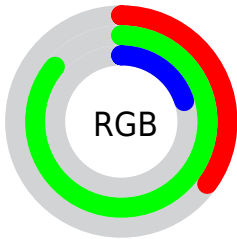
Format	Color
RYB	50, 219, 180
Decimal	5888818
CIELab	77.89, -64.14, 66.87
CIELCh	78, 92.662, 133.806
Yxy	53.0172, 0.3170, 0.5598
Android (android.graphics.Color)	4284078898 (0xFF59DB32)
YUV	160.8640, -54.6560, -63.0247
Hunter-Lab	72.8129, -53.8115, 41.4677

Details

The RYB color **50, 219, 180** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark muted green. A complement of this color would be **180, 50, 219**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **109, 255, 212**, and **0, 163, 163** is the 20% darker color. If you saturate the color by 10%, you get **28, 219, 175**, and if you desaturate by 10%, it is **72, 219, 185**.

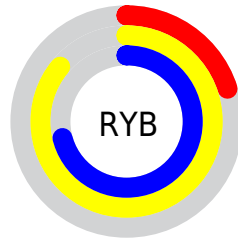
Distribution



Red (35%)

Green (86%)

Blue (20%)



Red (20%)

Yellow (86%)

Blue (71%)

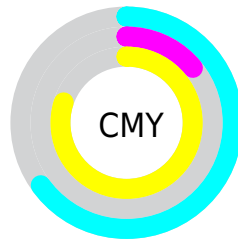


Cyan (59%)

Magenta (0%)

Yellow (77%)

Black (14%)



Cyan (65%)
















Magenta (14%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 219, 180 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 50, 219, 180 by changing the saturation by 10% instead.

 50, 219, 180	 50, 219, 180
255, 255, 255	 5, 191, 143
 109, 255, 212	 0, 163, 163
 137, 255, 210	 0, 136, 136
 165, 255, 207	 0, 109, 109
 194, 255, 206	 0, 83, 83
 223, 255, 223	 0, 59, 59
253, 255, 253	 0, 34, 34
	 0, 0, 0

 50, 219, 180  50, 219, 180

■ 28, 219, 175

■ 72, 219, 185

■ 6, 219, 170

■ 94, 219, 190

■ 0, 219, 168

■ 116, 219, 195

■ 138, 219, 201

■ 160, 219, 206

■ 181, 219, 210

■ 203, 219, 215

■ 224, 219, 225

■ 241, 219, 247

Harmonies

Analogous

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



0, 201, 7



50, 219, 180



0, 141, 228

Triad

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



50, 219, 180



0, 117, 255



255, 96, 157

Complementary

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



50, 219, 180



180, 50, 219

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, 106, 243



50, 219, 180



35, 126, 255

Square

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



50, 219, 180



0, 120, 255



245, 150, 255



255, 156, 75

Rectangle

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



50, 219, 180



0, 124, 231



245, 150, 255



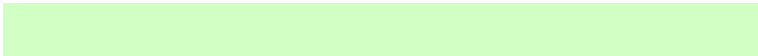
255, 93, 185

Sweetspot

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



50, 219, 180



196, 255, 241



101, 219, 50



92, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



50, 219, 180



18, 255, 200



50, 183, 219



99, 110, 108



0, 173, 133



0, 46, 35

Inverse Universe

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



180, 50, 219



200, 18, 255



219, 50, 174



107, 99, 110



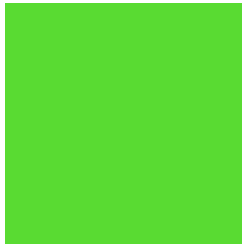
133, 0, 173



35, 0, 46

Previews

White Background



This preview shows how the RYB color 50, 219, 180 looks on a white background.

Color Contrast Check

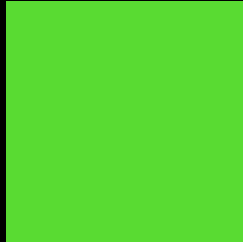
Large Text (above 18pt) WCAG AA × Fail

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 50, 219, 180 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 50, 219, 180 Background



This preview shows how black text looks on a background with the RGB color 50, 219, 180.

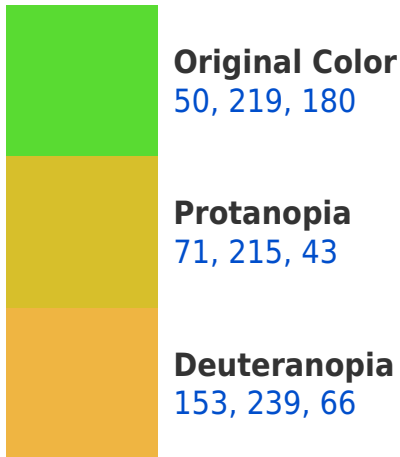


This preview shows how white text looks on a background with the RGB color 50, 219, 180.

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
123, 167, 221

Trichromacy



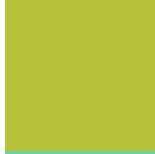
Original Color

50, 219, 180



Protanomaly

46, 201, 78



Deuteranomaly

60, 195, 71



Tritanomaly

111, 177, 209

Monochromacy



Original Color

50, 219, 180



Achromatopsia

161, 161, 161



Achromatomaly

121, 182, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 219, 180 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(89, 219, 50)` looks like.

```
.text, #text, p{  
    color:rgb(89, 219, 50)  
}
```

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(89, 219, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 219, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 219, 180 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(89, 219, 50) }
```

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

```
.border{ border-color:rgb(89, 219, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 219, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 219, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 219, 50);  
box-shadow:4px 4px 4px 4px rgb(89, 219,  
50) }
```

Background

The CSS property to change the background color of an element to RGB 89, 219, 50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 219, 50) }
```

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

```
.background{ background-color: rgb(89, 219,  
50) }
```

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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