

Converting Colors

`RYB(45, 191, 180)`

Have a look what the booklet for
RYB(45, 191, 180) contains.

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Color

$\text{RYB}(45, 191, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	38BF2D
RGB	56, 191, 45
RGB Percent	22%, 75%, 18%
CMY	0.7804, 0.2510, 0.8235
CMYK	0.71, 0.00, 0.76, 0.25
HSL	115°, 62%, 46%
HSV	115°, 76%, 75%
XYZ	20.7353, 38.2918, 8.7808
YIQ	133.9910, -33.5940, -74.0260

Conversions

Conversions Part 2

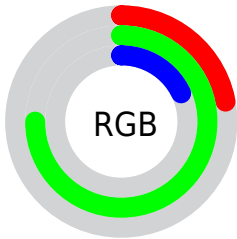
Format	Color
RYB	45, 191, 180
Decimal	3718957
CIELab	68.24, -62.09, 58.82
CIElCh	68, 85.528, 136.545
Yxy	38.2918, 0.3058, 0.5647
Android (android.graphics.Color)	4281909037 (0xFF38BF2D)
YUV	133.9910, -43.8726, -68.3981
Hunter-Lab	61.8804, -48.4776, 34.9030

Details

The RYB color **45, 191, 180** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **180, 45, 191**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **101, 249, 228**, and **0, 136, 136** is the 20% darker color. If you saturate the color by 10%, you get **26, 191, 179**, and if you desaturate by 10%, it is **64, 191, 181**.

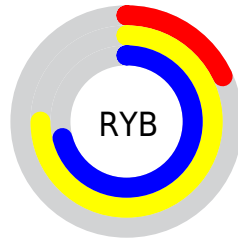
Distribution



Red (22%)

Green (75%)

Blue (18%)



Red (18%)

Yellow (75%)

Blue (71%)

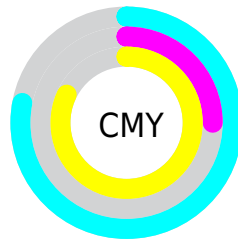


Cyan (71%)

Magenta (0%)

Yellow (76%)

Black (25%)



Cyan (78%)

Magenta (25%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 191, 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 45, 191, 180 by changing the saturation by 10% instead.



45, 191, 180



45, 191, 180

255, 255, 255



0, 158, 163



101, 249, 228



0, 136, 136



129, 255, 231



0, 110, 110



156, 255, 228



0, 84, 84



184, 255, 226



0, 59, 59



213, 255, 225



0, 35, 35



242, 255, 242



0, 0, 0



45, 191, 180



45, 191, 180



26, 191, 179



64, 191, 181

■ 7, 191, 177

■ 83, 191, 183

■ 0, 191, 177

■ 102, 191, 184

■ 121, 191, 185

■ 141, 191, 188

■ 160, 191, 189

■ 179, 191, 190

■ 197, 191, 198

■ 215, 191, 217

Harmonies

Analogous

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



0, 176, 16



45, 191, 180



0, 120, 198

Triad

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



45, 191, 180



0, 107, 255



255, 79, 127

Complementary

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



45, 191, 180



180, 45, 191

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, 84, 205



45, 191, 180



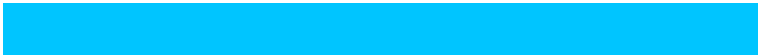
62, 127, 255

Square

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



45, 191, 180



0, 111, 255



222, 124, 255



255, 140, 54

Rectangle

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



45, 191, 180



0, 105, 201



222, 124, 255



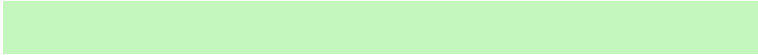
255, 75, 153

Sweetspot

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



45, 191, 180



190, 247, 242



58, 191, 45



90, 125, 122



252, 252, 252



125, 125, 125

Same Dimension

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



45, 191, 180



20, 247, 230



45, 148, 191



85, 94, 93



0, 158, 146



0, 31, 29

Inverse Universe

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



180, 45, 191



230, 20, 247



191, 45, 130



94, 85, 94



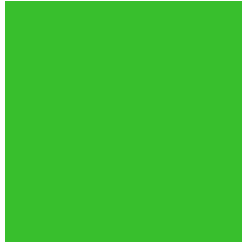
146, 0, 158



28, 0, 31

Previews

White Background



This preview shows how the RYB color 45, 191, 180 looks on a white background.

Color Contrast Check

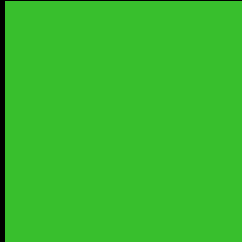
Large Text (above 18pt) WCAG AA × Fail

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 45, 191, 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](#).

RYB 45, 191, 180 Background



This preview shows how black text looks on a background with the RYB color 45, 191, 180.

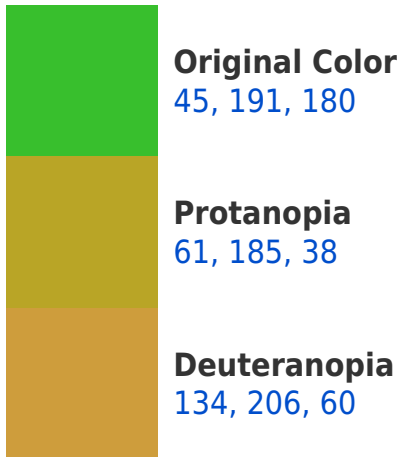


This preview shows how white text looks on a background with the RYB color 45, 191, 180.

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
94, 139, 192

Trichromacy



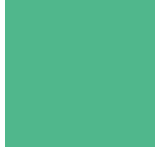
Original Color
45, 191, 180



Protanomaly
41, 174, 77



Deuteranomaly
55, 169, 73



Tritanomaly
80, 145, 183

Monochromacy



Original Color
45, 191, 180



Achromatopsia
134, 134, 134



Achromatomaly
102, 155, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 191, 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(56, 191, 45)` looks like.

```
.text, #text, p{  
    color:rgb(56, 191, 45)  
}
```

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(56, 191, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 191, 45) }
```

Border

The CSS property to change the border of an element to RYB 45, 191, 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(56, 191, 45) }
```

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

```
.border{ border-color:rgb(56, 191, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 191, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 191, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 191, 45);  
box-shadow:4px 4px 4px 4px rgb(56, 191,  
45) }
```

Background

The CSS property to change the background color of an element to RYB 45, 191, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 191, 45) }
```

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

```
.background{ background-color: rgb(56, 191,  
45) }
```

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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