

Converting Colors

`RYB(53, 180, 201)`

Have a look what the booklet for
RYB(53, 180, 201) contains.

RYB(53, 180, 201)	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

R_YB(53, 180, 201)

Conversions

Conversions Part 1

Format	Color
Hex	35C94D
RGB	53, 201, 77
RGB Percent	21%, 79%, 30%
CMY	0.7922, 0.2118, 0.6962
CMYK	0.74, 0.00, 0.61, 0.21
HSL	130°, 58%, 50%
HSV	130°, 74%, 79%
XYZ	23.7111, 43.0727, 14.1731
YIQ	142.6120, -48.4040, -69.9400

Conversions

Conversions Part 2

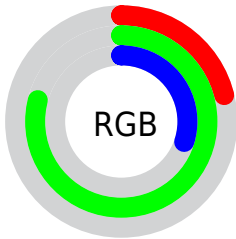
Format	Color
RYB	53, 180, 201
Decimal	3524941
CIELab	71.60, -62.85, 49.68
CIELCh	72, 80.114, 141.673
Yxy	43.0727, 0.2929, 0.5320
Android (android.graphics.Color)	4281715021 (0xFF35C94D)
YUV	142.6120, -32.3467, -78.5897
Hunter-Lab	65.6298, -50.3625, 33.1369

Details

The RYB color **53, 180, 201** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **201, 53, 177**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **121, 247, 255**, and **0, 127, 145** is the 20% darker color. If you saturate the color by 10%, you get **33, 177, 201**, and if you desaturate by 10%, it is **73, 183, 201**.

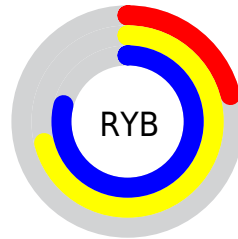
Distribution



Red (21%)

Green (79%)

Blue (30%)



Red (21%)

Yellow (71%)

Blue (79%)

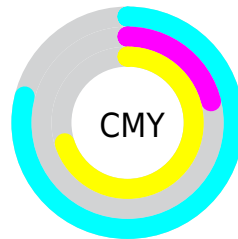


Cyan (74%)

Magenta (0%)

Yellow (61%)

Black (21%)



Cyan (79%)


Magenta (21%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 180, 201 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 53, 180, 201 by changing the saturation by 10% instead.

 53, 180, 201

 53, 180, 201


255, 255, 255

 0, 134, 173


 121, 247, 255

 0, 127, 145

 152, 249, 255

 0, 119, 119

 182, 251, 255

 0, 93, 93

 212, 253, 255


 0, 67, 67


 243, 255, 255

 0, 44, 44

 0, 11, 11

 0, 0, 0

 53, 180, 201

 53, 180, 201

■ 33, 177, 201

■ 73, 183, 201

■ 13, 174, 201

■ 93, 186, 201

■ 0, 173, 201

■ 113, 188, 201

■ 133, 191, 201

■ 154, 195, 201

■ 174, 198, 201

■ 194, 200, 201

■ 214, 201, 212

■ 234, 201, 228

Harmonies

Analogous

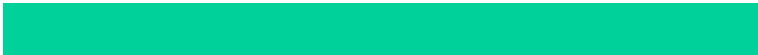
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 188, 29



53, 180, 201



0, 120, 208

Triad

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



53, 180, 201



0, 109, 255



255, 104, 126

Complementary

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



53, 180, 201



201, 53, 177

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, 199



53, 180, 201



130, 157, 255

Square

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



53, 180, 201



0, 113, 255



243, 130, 255



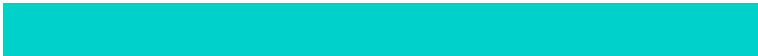
255, 180, 59

Rectangle

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



53, 180, 201



0, 106, 209



243, 130, 255



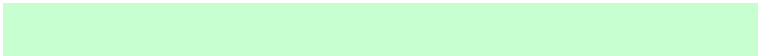
255, 98, 150

Sweetspot

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



53, 180, 201



199, 247, 255



53, 201, 75



94, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 180, 201



31, 223, 255



53, 143, 201



90, 98, 99



0, 140, 163



0, 31, 36

Inverse Universe

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



201, 53, 177



255, 31, 218



201, 53, 105



99, 90, 98



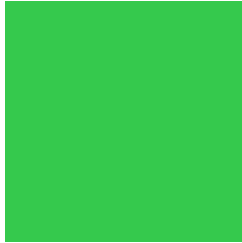
163, 0, 136



36, 0, 30

Previews

White Background



This preview shows how the RYB color 53, 180, 201 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 53, 180, 201 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 53, 180, 201 Background



This preview shows how black text looks on a background with the RGB color 53, 180, 201.

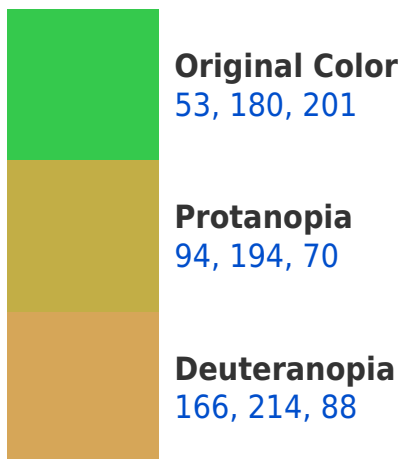


This preview shows how white text looks on a background with the RGB color 53, 180, 201.

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, 145, 204

Trichromacy



Original Color

53, 180, 201



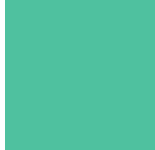
Protanomaly

73, 184, 114



Deuteranomaly

84, 179, 108



Tritanomaly

79, 146, 193

Monochromacy



Original Color

53, 180, 201



Achromatopsia

143, 143, 143



Achromatomaly

110, 156, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 180, 201 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(53, 201, 77)` looks like.

```
.text, #text, p{  
    color:rgb(53, 201, 77)  
}
```

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(53, 201, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 201, 77) }
```

Border

The CSS property to change the border of an element to RYB 53, 180, 201 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(53, 201, 77) }
```

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

```
.border{ border-color:rgb(53, 201, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 201, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 201, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 201, 77);  
box-shadow:4px 4px 4px 4px rgb(53, 201,  
77) }
```

Background

The CSS property to change the background color of an element to RGB 53, 180, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 201, 77) }
```

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

```
.background{ background-color: rgb(53, 201,  
77) }
```

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