

Converting Colors

`RYB(53, 158, 222)`

Have a look what the booklet for
RYB(53, 158, 222) contains.

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Color

R_YB(53, 158, 222)

Conversions

Conversions Part 1

Format	Color
Hex	35DE9C
RGB	53, 222, 156
RGB Percent	21%, 87%, 61%
CMY	0.7922, 0.1294, 0.3882
CMYK	0.76, 0.00, 0.30, 0.13
HSL	157°, 72%, 54%
HSV	157°, 76%, 87%
XYZ	33.5910, 55.4001, 40.3796
YIQ	163.9450, -79.5380, -56.3540

Conversions

Conversions Part 2

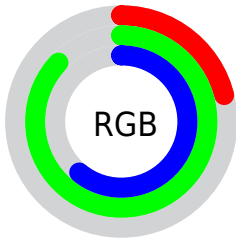
Format	Color
RYB	53, 158, 222
Decimal	3530396
CIELab	79.27, -57.14, 20.57
CIELCh	79, 60.734, 160.203
Yxy	55.4001, 0.2596, 0.4282
Android (android.graphics.Color)	4281720476 (0xFF35DE9C)
YUV	163.9450, -3.9169, -97.2988
Hunter-Lab	74.4312, -49.6970, 19.9365

Details

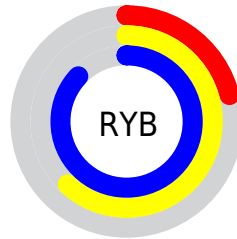
The RYB color **53, 158, 222** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **222, 53, 119**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **124, 203, 255**, and **0, 102, 166** is the 20% darker color. If you saturate the color by 10%, you get **31, 150, 222**, and if you desaturate by 10%, it is **75, 166, 222**.

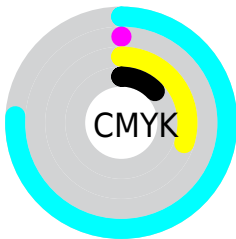
Distribution



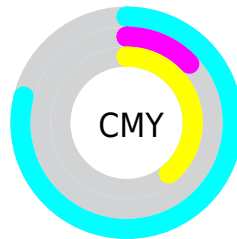
- Red (21%)
- Green (87%)
- Blue (61%)



- Red (21%)
- Yellow (62%)
- Blue (87%)



- Cyan (76%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)



- Cyan (79%)
- Magenta (13%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 158, 222 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, 158, 222 by changing the saturation by 10% instead.



53, 158, 222



53, 158, 222

255, 255, 255



0, 115, 193



124, 203, 255



0, 102, 166



156, 210, 255



0, 87, 138



187, 221, 255



0, 74, 112



217, 236, 255



0, 62, 86



248, 252, 255



0, 50, 61



0, 38, 38



0, 0, 0



53, 158, 222



53, 158, 222

■ 31, 150, 222

■ 75, 166, 222

■ 9, 141, 222

■ 97, 175, 222

■ 0, 138, 222

■ 120, 183, 222

■ 142, 192, 222

■ 164, 200, 222

■ 186, 208, 222

■ 208, 217, 222

■ 231, 222, 225

■ 253, 222, 234

Harmonies

Analogous

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



106, 214, 171



53, 158, 222



0, 115, 225

Triad

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



53, 158, 222



132, 174, 255



255, 170, 126

Complementary

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



53, 158, 222



222, 53, 119

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, 147, 179



53, 158, 222



226, 174, 255

Square

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



53, 158, 222



0, 116, 255



255, 153, 236



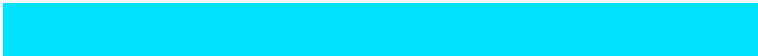
224, 255, 88

Rectangle

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



53, 158, 222



0, 119, 252



255, 153, 236



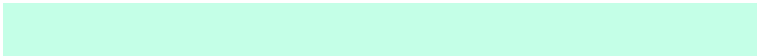
255, 154, 143

Sweetspot

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



53, 158, 222



196, 233, 255



53, 222, 154



92, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 158, 222



23, 167, 255



53, 133, 222



101, 108, 112



0, 109, 176



0, 30, 48

Inverse Universe

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



222, 53, 119



255, 23, 114



222, 72, 53



112, 101, 105



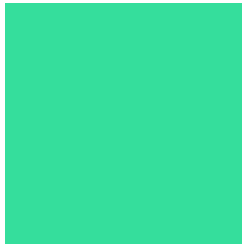
176, 0, 69



48, 0, 19

Previews

White Background



This preview shows how the RYB color 53, 158, 222 looks on a white background.

Color Contrast Check

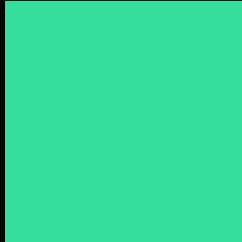
Large Text (above 18pt) WCAG AA × Fail

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, 158, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

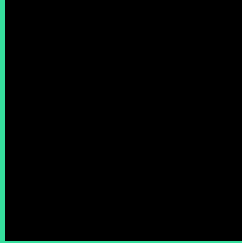
Any Text WCAG AA ✓ Pass

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, 158, 222 Background



This preview shows how black text looks on a background with the RGB color 53, 158, 222.

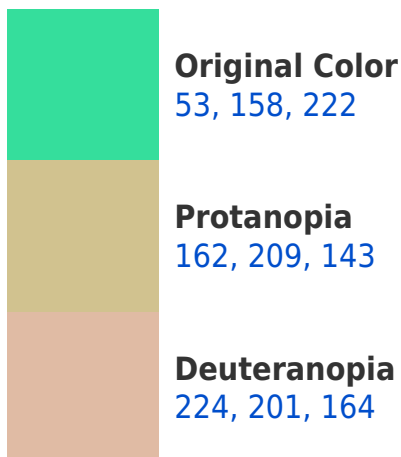


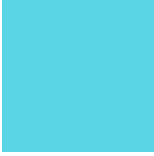
This preview shows how white text looks on a background with the RGB color 53, 158, 222.

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
89, 155, 230

Trichromacy



Original Color

53, 158, 222



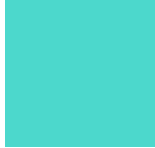
Protanomaly

148, 204, 200



Deuteranomaly

161, 200, 199



Tritanomaly

76, 149, 216

Monochromacy



Original Color

53, 158, 222



Achromatopsia

164, 164, 164



Achromatomaly

124, 162, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 158, 222 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, 222, 156)` looks like.

```
.text, #text, p{  
    color:rgb(53, 222, 156)  
}
```

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, 222, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 222, 156) }
```

Border

The CSS property to change the border of an element to RYB 53, 158, 222 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, 222, 156) }
```

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

```
.border{ border-color:rgb(53, 222, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 222, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 222, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 222, 156);  
box-shadow:4px 4px 4px 4px rgb(53, 222,  
156) }
```

Background

The CSS property to change the background color of an element to RGB 53, 158, 222 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 222, 156) }
```

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

```
.background{ background-color: rgb(53, 222,  
156) }
```

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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