

Converting Colors

`RYB(53, 129, 202)`

Have a look what the booklet for
RYB(53, 129, 202) contains.

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Color

$\text{RYB}(53, 129, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	35CAC4
RGB	53, 202, 196
RGB Percent	21%, 79%, 77%
CMY	0.7922, 0.2078, 0.2309
CMYK	0.74, 0.00, 0.03, 0.21
HSL	178°, 58%, 50%
HSV	178°, 74%, 79%
XYZ	32.5660, 46.9889, 59.6486
YIQ	156.7650, -86.8780, -33.4540

Conversions

Conversions Part 2

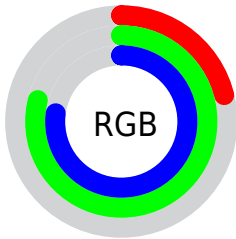
Format	Color
RYB	53, 129, 202
Decimal	3525316
CIELab	74.18, -38.84, -8.16
CIELCh	74, 39.692, 191.864
Yxy	46.9889, 0.2339, 0.3376
Android (android.graphics.Color)	4281715396 (0xFF35CAC4)
YUV	156.7650, 19.3429, -91.0019
Hunter-Lab	68.5484, -35.1579, -3.6083

Details

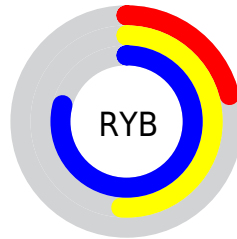
The RYB color **53, 129, 202** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **202, 53, 59**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **123, 190, 255**, and **0, 75, 147** is the 20% darker color. If you saturate the color by 10%, you get **33, 119, 202**, and if you desaturate by 10%, it is **73, 139, 202**.

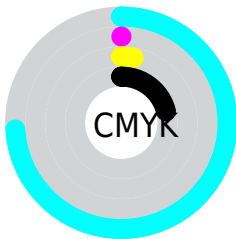
Distribution



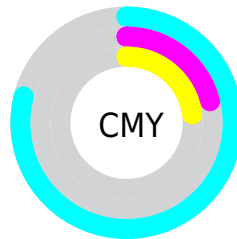
- Red (21%)
- Green (79%)
- Blue (77%)



- Red (21%)
- Yellow (51%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (79%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 129, 202 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, 129, 202 by changing the saturation by 10% instead.

 53, 129, 202

 53, 129, 202

255, 255, 255

 0, 88, 174

 123, 190, 255

 0, 75, 147

 154, 205, 255

 0, 62, 121

 185, 220, 255


 0, 48, 95

 215, 235, 255


 0, 36, 71


 246, 251, 255

 0, 24, 48

 0, 12, 26

 0, 0, 0

 53, 129, 202

 53, 129, 202

■ 33, 119, 202

■ 73, 139, 202

■ 13, 109, 202

■ 93, 149, 202

■ 0, 103, 202

■ 114, 159, 202

■ 134, 169, 202

■ 154, 179, 202

■ 174, 188, 202

■ 194, 198, 202

■ 215, 202, 202

■ 235, 202, 203

Harmonies

Analogous

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



106, 166, 200



53, 129, 202



26, 120, 230

Triad

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



53, 129, 202



205, 168, 237



210, 225, 113

Complementary

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



53, 129, 202



202, 53, 59

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.



248, 169, 135



53, 129, 202



240, 157, 206

Square

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



53, 129, 202



153, 175, 253



253, 154, 169



118, 192, 110

Rectangle

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



53, 129, 202



67, 142, 246



253, 154, 169



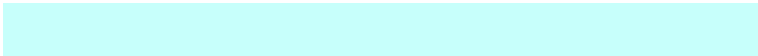
234, 204, 119

Sweetspot

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



53, 129, 202



199, 228, 255



53, 202, 195



94, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 129, 202



28, 144, 255



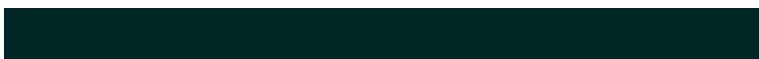
53, 106, 202



92, 97, 102



0, 85, 166



0, 19, 38

Inverse Universe

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



202, 53, 59



255, 28, 37



202, 175, 53



102, 92, 92



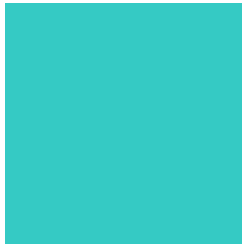
166, 0, 7



38, 0, 2

Previews

White Background



This preview shows how the RYB color 53, 129, 202 looks on a white background.

Color Contrast Check

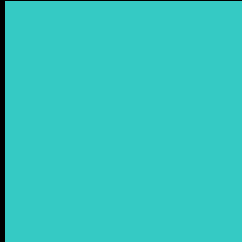
Large Text (above 18pt) WCAG AA × Fail

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, 129, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

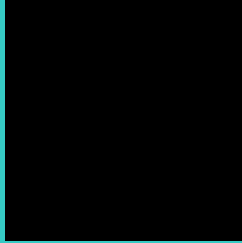
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

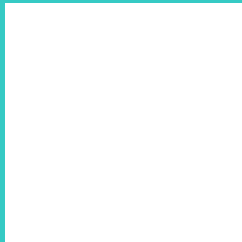
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 53, 129, 202 Background



This preview shows how black text looks on a background with the RYB color 53, 129, 202.

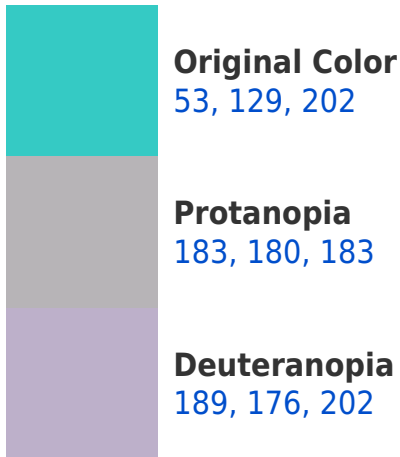


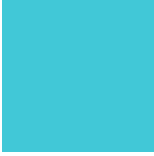
This preview shows how white text looks on a background with the RYB color 53, 129, 202.

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
65, 136, 215

Trichromacy



Original Color

53, 129, 202



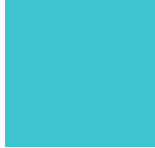
Protanomaly

136, 162, 188



Deuteranomaly

140, 166, 200



Tritanomaly

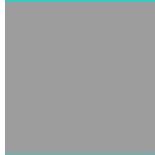
61, 132, 208

Monochromacy



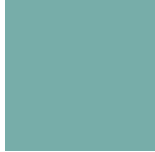
Original Color

53, 129, 202



Achromatopsia

157, 157, 157



Achromatomaly

119, 147, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 129, 202 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, 202, 196)` looks like.

```
.text, #text, p{  
    color:rgb(53, 202, 196)  
}
```

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, 202, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 202, 196) }
```

Border

The CSS property to change the border of an element to RYB 53, 129, 202 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, 202, 196) }
```

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

```
.border{ border-color:rgb(53, 202, 196) }
```

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

Here you see how a box with a 4 pixel rgb(53, 202, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 202, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 202, 196);  
box-shadow:4px 4px 4px 4px rgb(53, 202,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 53, 129, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 202, 196) }
```

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

```
.background{ background-color: rgb(53, 202,  
196) }
```

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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