

Converting Colors

`RYB(53, 147, 209)`

Have a look what the booklet for
RYB(53, 147, 209) contains.

RYB(53, 147, 209)	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

`RYB(53, 147, 209)`

Conversions

Conversions Part 1

Format	Color
Hex	35D19C
RGB	53, 209, 156
RGB Percent	21%, 82%, 61%
CMY	0.7922, 0.1804, 0.3887
CMYK	0.75, 0.00, 0.25, 0.18
HSL	160°, 63%, 51%
HSV	160°, 75%, 82%
XYZ	30.2604, 48.7545, 39.2210
YIQ	156.3140, -75.9630, -49.5550

Conversions

Conversions Part 2

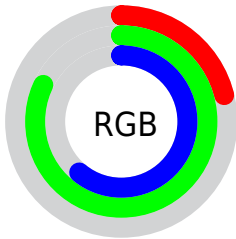
Format	Color
RYB	53, 147, 209
Decimal	3527068
CIELab	75.30, -52.11, 15.11
CIELCh	75, 54.258, 163.833
Yxy	48.7545, 0.2559, 0.4123
Android (android.graphics.Color)	4281717148 (0xFF35D19C)
YUV	156.3140, -0.1548, -90.6064
Hunter-Lab	69.8244, -44.8347, 15.5734

Details

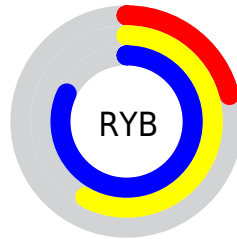
The RYB color **53, 147, 209** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **209, 53, 106**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **122, 202, 255**, and **0, 91, 153** is the 20% darker color. If you saturate the color by 10%, you get **32, 139, 209**, and if you desaturate by 10%, it is **74, 155, 209**.

Distribution



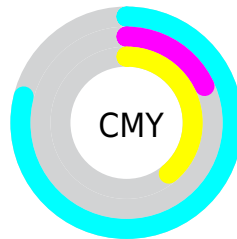
- Red (21%)
- Green (82%)
- Blue (61%)



- Red (21%)
- Yellow (58%)
- Blue (82%)



- Cyan (75%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)



















- Cyan (79%)
- Magenta (18%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 147, 209 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, 147, 209 by changing the saturation by 10% instead.

 53, 147, 209	 53, 147, 209
 255, 255, 255	 0, 105, 181
 122, 202, 255	 0, 91, 153
 153, 208, 255	 0, 78, 127
 183, 219, 255	 0, 65, 101
 213, 234, 255	 0, 51, 75
 244, 250, 255	 0, 41, 52
	 0, 27, 27
	 0, 0, 0

 53, 147, 209  53, 147, 209

■ 32, 139, 209

■ 74, 155, 209

■ 11, 130, 209

■ 95, 164, 209

■ 0, 126, 209

■ 116, 172, 209

■ 137, 181, 209

■ 158, 189, 209

■ 178, 196, 209

■ 199, 205, 209

■ 220, 209, 213

■ 241, 209, 220

Harmonies

Analogous

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



111, 202, 176



53, 147, 209



0, 106, 211

Triad

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



53, 147, 209



143, 172, 255



255, 169, 118

Complementary

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



53, 147, 209



209, 53, 106

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, 144, 164



53, 147, 209



219, 163, 255

Square

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



53, 147, 209



0, 111, 255



255, 147, 215



203, 238, 88

Rectangle

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



53, 147, 209



0, 112, 240



255, 147, 215



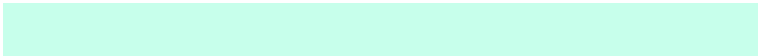
255, 153, 132

Sweetspot

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



53, 147, 209



199, 233, 255



53, 209, 154



94, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 147, 209



25, 163, 255



53, 125, 209



94, 101, 105



0, 101, 168



0, 25, 41

Inverse Universe

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



209, 53, 106



255, 25, 104



209, 80, 53



105, 94, 98



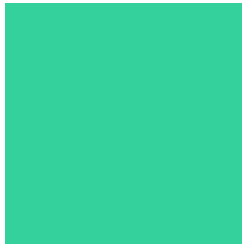
168, 0, 57



41, 0, 14

Previews

White Background



This preview shows how the RYB color 53, 147, 209 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, 147, 209 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

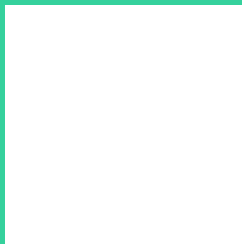
Any Text WCAG AAA ✓ Pass

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

RYB 53, 147, 209 Background



This preview shows how black text looks on a background with the RYB color 53, 147, 209.

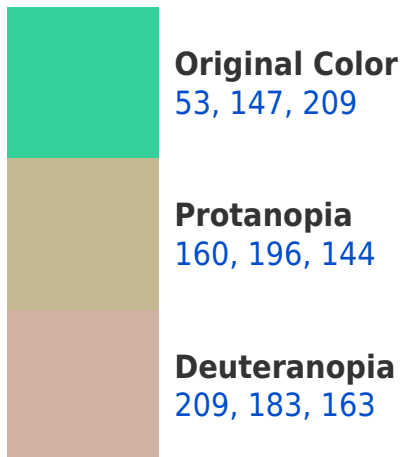


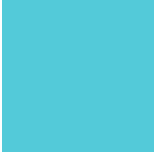
This preview shows how white text looks on a background with the RYB color 53, 147, 209.

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
83, 146, 217

Trichromacy



Original Color

53, 147, 209



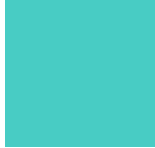
Protanomaly

144, 189, 193



Deuteranomaly

152, 182, 189



Tritanomaly

72, 140, 204

Monochromacy



Original Color

53, 147, 209



Achromatopsia

156, 156, 156



Achromatomaly

119, 153, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 147, 209 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, 209, 156)` looks like.

```
.text, #text, p{  
    color:rgb(53, 209, 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, 209, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 209, 156) }
```

Border

The CSS property to change the border of an element to RYB 53, 147, 209 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, 209, 156) }
```

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

```
.border{ border-color:rgb(53, 209, 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, 209, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(53, 209, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(53, 209, 156); box-shadow:4px 4px 4px 4px rgb(53, 209, 156) }
```

Background

The CSS property to change the background color of an element to RGB 53, 147, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 209, 156) }
```

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

```
.background{ background-color: rgb(53, 209,  
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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