

Converting Colors

`RYB(53, 132, 219)`

Have a look what the booklet for RYB(53, 132, 219) contains.

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Color

$\text{RYB}(53, 132, 219)$

Conversions

Conversions Part 1

Format	Color
Hex	35CCDB
RGB	53, 204, 219
RGB Percent	21%, 80%, 86%
CMY	0.7922, 0.2010, 0.1412
CMYK	0.76, 0.07, 0.00, 0.14
HSL	186°, 70%, 53%
HSV	186°, 76%, 86%
XYZ	35.7845, 48.9315, 74.5765
YIQ	160.5610, -94.8110, -27.3470

Conversions

Conversions Part 2

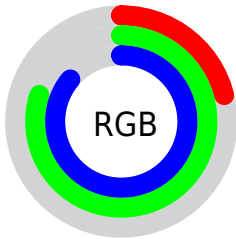
Format	Color
RYB	53, 132, 219
Decimal	3525851
CIELab	75.41, -32.96, -18.70
CIElCh	75, 37.896, 209.560
Yxy	48.9315, 0.2246, 0.3072
Android (android.graphics.Color)	4281715931 (0xFF35CCDB)
YUV	160.5610, 28.8104, -94.3310
Hunter-Lab	69.9511, -31.1002, -14.2448

Details

The RYB color **53, 132, 219** 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 **219, 69, 53**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **126, 191, 255**, and **0, 78, 164** is the 20% darker color. If you saturate the color by 10%, you get **31, 121, 219**, and if you desaturate by 10%, it is **75, 144, 219**.

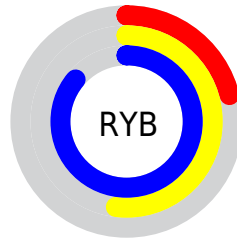
Distribution



Red (21%)

Green (80%)

Blue (86%)



Red (21%)

Yellow (52%)

Blue (86%)

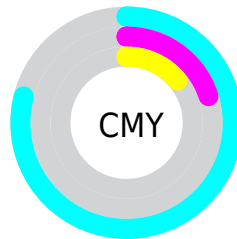


Cyan (76%)

Magenta (7%)

Yellow (0%)

Black (14%)



Cyan (79%)


















Magenta (20%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 132, 219 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, 132, 219 by changing the saturation by 10% instead.

 53, 132, 219	 53, 132, 219
 255, 255, 255	 0, 92, 191
 126, 191, 255	 0, 78, 164
 157, 206, 255	 0, 65, 138
 188, 222, 255	 0, 52, 112
 219, 237, 255	 0, 40, 88
 250, 253, 255	 0, 28, 64
	 0, 17, 42
	 0, 1, 22
	 0, 0, 0

■ 53, 132, 219

■ 53, 132, 219

■ 31, 121, 219

■ 75, 144, 219

■ 9, 109, 219

■ 97, 155, 219

■ 0, 104, 219

■ 119, 167, 219

■ 141, 178, 219

■ 163, 190, 219

■ 184, 201, 219

■ 206, 212, 219

■ 228, 220, 219

■ 250, 222, 219

Harmonies

Analogous

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



87, 151, 204



53, 132, 219



79, 149, 245

Triad

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



53, 132, 219



229, 165, 222



153, 210, 115

Complementary

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



53, 132, 219



219, 69, 53

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.



238, 200, 127



53, 132, 219



251, 159, 188

Square

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



53, 132, 219



189, 177, 246



253, 163, 153



124, 194, 145

Rectangle

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



53, 132, 219



116, 165, 254



253, 163, 153



185, 220, 117

Sweetspot

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



53, 132, 219



196, 224, 255



53, 206, 219



92, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 132, 219



23, 134, 255



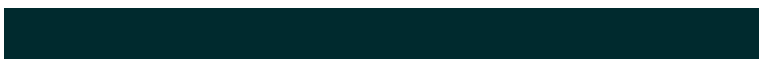
53, 102, 219



99, 104, 110



0, 82, 173



0, 22, 46

Inverse Universe

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



219, 53, 204



255, 23, 234



171, 219, 53



110, 99, 109



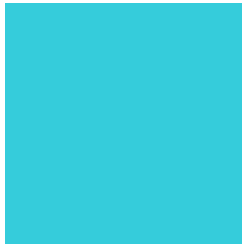
173, 0, 157



46, 0, 42

Previews

White Background



This preview shows how the RYB color 53, 132, 219 looks on a white background.

Color Contrast Check

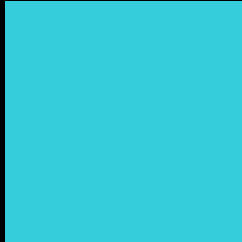
Large Text (above 18pt) WCAG AA × Fail

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, 132, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

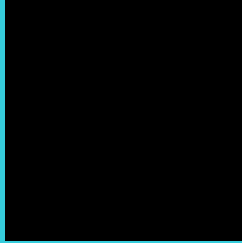
Any Text WCAG AA ✓ Pass

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](#).

R Y B 53, 132, 219 Background



This preview shows how black text looks on a background with the R Y B color 53, 132, 219.

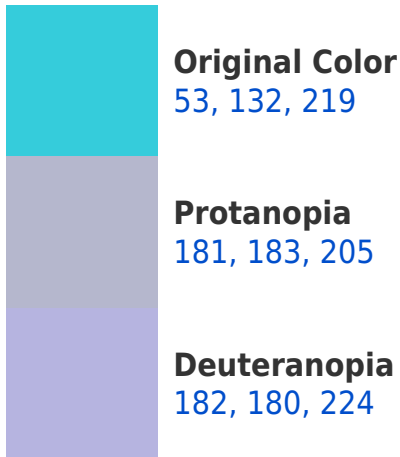


This preview shows how white text looks on a background with the R Y B color 53, 132, 219.

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
54, 133, 220

Trichromacy



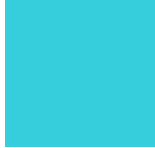
Original Color
53, 132, 219



Protanomaly
134, 167, 210



Deuteranomaly
135, 168, 222

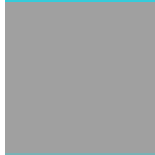


Tritanomaly
54, 133, 220

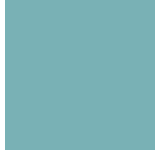
Monochromacy



Original Color
53, 132, 219



Achromatopsia
160, 160, 160



Achromatomaly
121, 150, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 132, 219 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, 204, 219)` looks like.

```
.text, #text, p{  
    color:rgb(53, 204, 219)  
}
```

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, 204, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 204, 219) }
```

Border

The CSS property to change the border of an element to RYB 53, 132, 219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

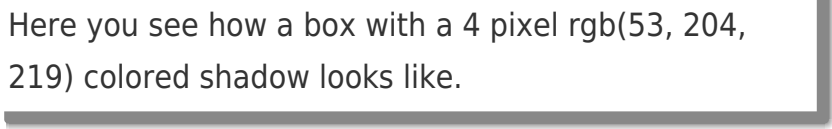
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 204, 219) }
```

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

```
.border{ border-color:rgb(53, 204, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(53, 204, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 204, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 204, 219);  
box-shadow:4px 4px 4px 4px rgb(53, 204,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 53, 132, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 204, 219) }
```

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

```
.background{ background-color: rgb(53, 204,  
219) }
```

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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