

Converting Colors

`RYB(57, 130, 223)`

Have a look what the booklet for
RYB(57, 130, 223) contains.

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Color

R_YB(57, 130, 223)

Conversions

Conversions Part 1

Format	Color
Hex	39BBDF
RGB	57, 187, 223
RGB Percent	22%, 73%, 87%
CMY	0.7765, 0.2655, 0.1255
CMYK	0.74, 0.16, 0.00, 0.13
HSL	193°, 72%, 55%
HSV	193°, 74%, 87%
XYZ	32.8409, 41.8661, 76.1621
YIQ	152.2340, -89.0360, -16.3640

Conversions

Conversions Part 2

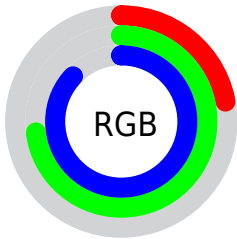
Format	Color
R _{YB}	57, 130, 223
Decimal	3783647
CIE _{Lab}	70.78, -23.19, -27.92
CIE _{LCh}	71, 36.294, 230.287
Yxy	41.8661, 0.2177, 0.2775
Android (android.graphics.Color)	4281973727 (0xFF39BBDF)
YUV	152.2340, 34.8876, -83.5202
Hunter-Lab	64.7040, -22.6334, -24.4965

Details

The RYB color **57, 130, 223** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **223, 103, 57**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **127, 188, 255**, and **0, 75, 168** is the 20% darker color. If you saturate the color by 10%, you get **35, 118, 223**, and if you desaturate by 10%, it is **79, 142, 223**.

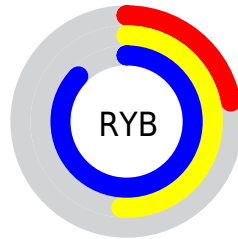
Distribution



Red (22%)

Green (73%)

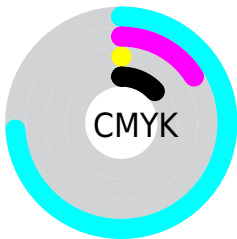
Blue (87%)



Red (22%)

Yellow (51%)

Blue (87%)

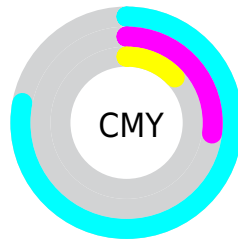


Cyan (74%)

Magenta (16%)

Yellow (0%)

Black (13%)



Cyan (78%)


















Magenta (27%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 130, 223 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 57, 130, 223 by changing the saturation by 10% instead.

 57, 130, 223	 57, 130, 223
 255, 255, 255	 0, 88, 195
 127, 188, 255	 0, 75, 168
 158, 207, 255	 0, 61, 141
 189, 222, 255	 0, 49, 116
 219, 237, 255	 0, 36, 91
 250, 253, 255	 0, 25, 67
	 0, 8, 45
	 0, 1, 24
	 0, 0, 0

■ 57, 130, 223

■ 57, 130, 223

■ 35, 118, 223

■ 79, 142, 223

■ 12, 105, 223

■ 102, 155, 223

■ 0, 98, 223

■ 124, 168, 223

■ 146, 180, 223

■ 169, 193, 223

■ 191, 205, 223

■ 213, 217, 223

■ 235, 227, 223

■ 255, 232, 223

Harmonies

Analogous

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



53, 123, 195



57, 130, 223



108, 154, 238

Triad

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



57, 130, 223



231, 149, 185



110, 178, 115

Complementary

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



57, 130, 223



223, 103, 57

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.



170, 205, 108



57, 130, 223



238, 149, 152

Square

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



57, 130, 223



204, 157, 216



228, 170, 124



130, 186, 181

Rectangle

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



57, 130, 223



145, 167, 238



228, 170, 124



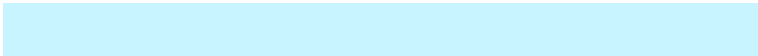
117, 184, 107

Sweetspot

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



57, 130, 223



199, 224, 255



57, 195, 223



94, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 130, 223



28, 128, 255



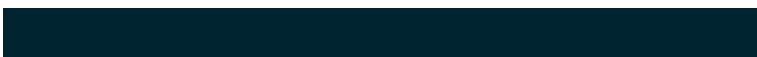
57, 95, 223



101, 106, 112



0, 77, 176



0, 21, 48

Inverse Universe

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



223, 57, 187



255, 28, 206



129, 223, 57



112, 101, 110



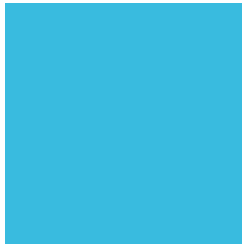
176, 0, 138



48, 0, 38

Previews

White Background



This preview shows how the RYB color 57, 130, 223 looks on a white background.

Color Contrast Check

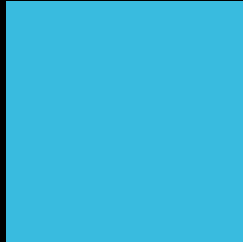
Large Text (above 18pt) WCAG AA × Fail

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 57, 130, 223 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 57, 130, 223 Background



This preview shows how black text looks on a background with the R Y B color 57, 130, 223.

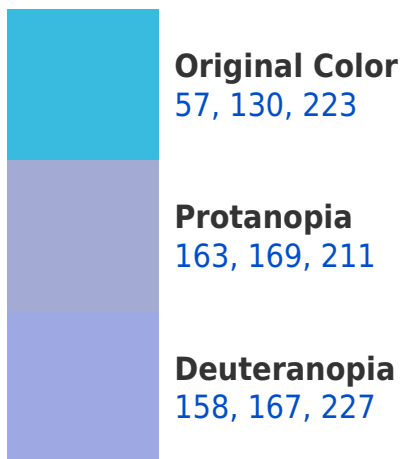


This preview shows how white text looks on a background with the R Y B color 57, 130, 223.

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
42, 120, 206

Trichromacy



Original Color

57, 130, 223



Protanomaly

124, 157, 215



Deuteranomaly

121, 157, 226



Tritanomaly

47, 123, 212

Monochromacy



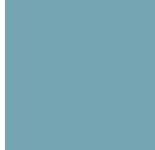
Original Color

57, 130, 223



Achromatopsia

152, 152, 152



Achromatomaly

117, 144, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 130, 223 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(57, 187, 223)` looks like.

```
.text, #text, p{  
    color:rgb(57, 187, 223)  
}
```

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(57, 187, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 187, 223) }
```

Border

The CSS property to change the border of an element to RYB 57, 130, 223 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(57, 187, 223) }
```

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

```
.border{ border-color:rgb(57, 187, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 187, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(57, 187,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 57, 130, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 187, 223) }
```

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

```
.background{ background-color: rgb(57, 187,  
223) }
```

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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