

Converting Colors

`RYB(57, 133, 242)`

Have a look what the booklet for
RYB(57, 133, 242) contains.

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Color

`RYB(57, 133, 242)`

Conversions

Conversions Part 1

Format	Color
Hex	39BAF2
RGB	57, 186, 242
RGB Percent	22%, 73%, 95%
CMY	0.7765, 0.2706, 0.0510
CMYK	0.76, 0.23, 0.00, 0.05
HSL	198°, 88%, 59%
HSV	198°, 76%, 95%
XYZ	35.2713, 42.3946, 90.3284
YIQ	153.8130, -94.8600, -9.9320

Conversions

Conversions Part 2

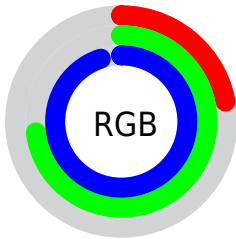
Format	Color
RYB	57, 133, 242
Decimal	3783410
CIELab	71.14, -16.31, -37.68
CIELCh	71, 41.057, 246.599
Yxy	42.3946, 0.2100, 0.2524
Android (android.graphics.Color)	4281973490 (0xFF39BAF2)
YUV	153.8130, 43.4762, -84.9050
Hunter-Lab	65.1111, -17.2493, -36.6749

Details

The RYB color **57, 133, 242** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **242, 137, 57**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **129, 189, 255**, and **0, 78, 186** is the 20% darker color. If you saturate the color by 10%, you get **33, 119, 242**, and if you desaturate by 10%, it is **81, 147, 242**.

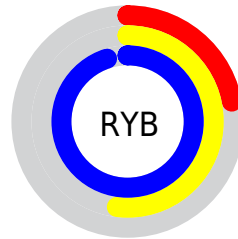
Distribution



Red (22%)

Green (73%)

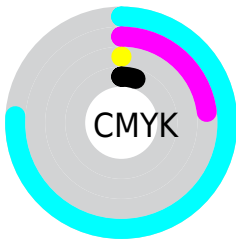
Blue (95%)



Red (22%)

Yellow (52%)

Blue (95%)

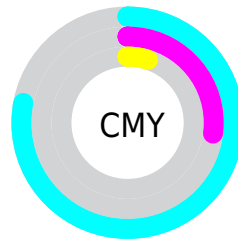


Cyan (76%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (78%)

















Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 133, 242 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, 133, 242 by changing the saturation by 10% instead.

 57, 133, 242	 57, 133, 242
 255, 255, 255	 0, 91, 213
 129, 189, 255	 0, 78, 186
 161, 208, 255	 0, 64, 158
 192, 224, 255	 0, 51, 132
 224, 240, 255	 0, 38, 107
	 0, 26, 82
	 0, 11, 59
	 0, 2, 36
	 0, 0, 12

■ 57, 133, 242

■ 57, 133, 242

■ 33, 119, 242

■ 81, 147, 242

■ 9, 105, 242

■ 105, 161, 242

■ 0, 100, 242

■ 130, 176, 242

■ 154, 190, 242

■ 178, 204, 242

■ 202, 218, 242

■ 226, 233, 242

■ 251, 247, 242

■ 246, 255, 242

Harmonies

Analogous

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



0, 102, 218



57, 133, 242



132, 163, 248

Triad

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



57, 133, 242



246, 144, 167



113, 185, 148

Complementary

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



57, 133, 242



242, 137, 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.



117, 190, 99



57, 133, 242



243, 154, 131

Square

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



57, 133, 242



228, 149, 205



223, 213, 106



103, 164, 192

Rectangle

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



57, 133, 242



172, 166, 241



223, 213, 106



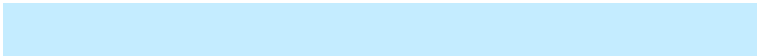
106, 182, 124

Sweetspot

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



57, 133, 242



196, 220, 255



57, 199, 242



92, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 133, 242



20, 117, 255



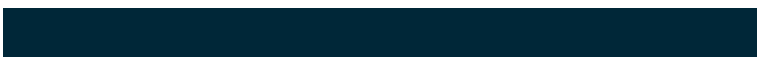
57, 88, 242



108, 113, 120



0, 75, 184



0, 23, 56

Inverse Universe

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



242, 57, 186



255, 20, 184



103, 242, 57



120, 108, 116



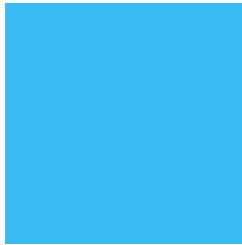
184, 0, 128



56, 0, 39

Previews

White Background



This preview shows how the RYB color 57, 133, 242 looks on a white background.

Color Contrast Check

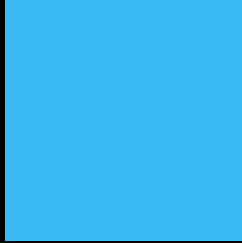
Large Text (above 18pt) WCAG AA × Fail

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, 133, 242 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

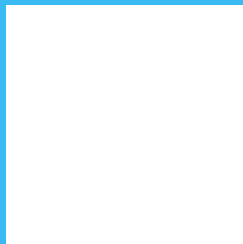
Any Text WCAG AAA ✓ Pass

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

RYB 57, 133, 242 Background



This preview shows how black text looks on a background with the RYB color 57, 133, 242.

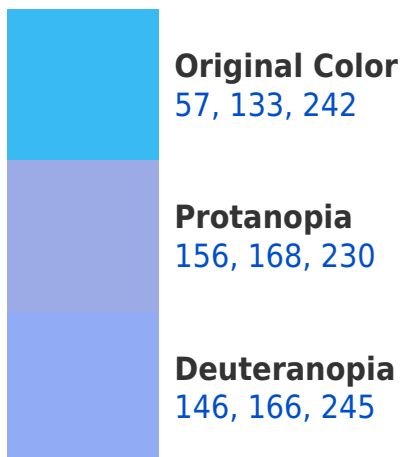


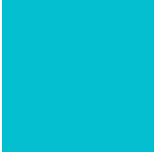
This preview shows how white text looks on a background with the RYB color 57, 133, 242.

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
3, 101, 208

Trichromacy



Original Color

57, 133, 242



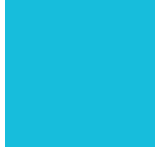
Protanomaly

120, 158, 234



Deuteranomaly

114, 156, 244



Tritanomaly

23, 113, 220

Monochromacy



Original Color

57, 133, 242



Achromatopsia

154, 154, 154



Achromatomaly

119, 147, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 133, 242 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, 186, 242)` looks like.

```
.text, #text, p{  
    color:rgb(57, 186, 242)  
}
```

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, 186, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 186, 242) }
```

Border

The CSS property to change the border of an element to RYB 57, 133, 242 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, 186, 242) }
```

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

```
.border{ border-color:rgb(57, 186, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 186, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 186, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 186, 242);  
box-shadow:4px 4px 4px 4px rgb(57, 186,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 57, 133, 242 is called "background".

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

```
.background, #background, body{  
background: rgb(57, 186, 242) }
```

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

```
.background{ background-color: rgb(57, 186,  
242) }
```

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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