

Converting Colors

`RYB(83, 158, 243)`

Have a look what the booklet for
RYB(83, 158, 243) contains.

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Color

`RYB(83, 158, 243)`

Conversions

Conversions Part 1

Format	Color
Hex	53E0F3
RGB	83, 224, 243
RGB Percent	33%, 88%, 95%
CMY	0.6745, 0.1209, 0.0471
CMYK	0.66, 0.08, 0.00, 0.05
HSL	187°, 87%, 64%
HSV	187°, 66%, 95%
XYZ	46.4480, 61.7163, 94.2584
YIQ	184.0070, -90.1350, -23.9830

Conversions

Conversions Part 2

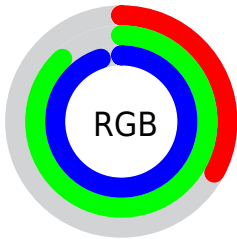
Format	Color
RYB	83, 158, 243
Decimal	5497075
CIELab	82.76, -31.87, -20.33
CIELCh	83, 37.800, 212.540
Yxy	61.7163, 0.2295, 0.3049
Android (android.graphics.Color)	4283687155 (0xFF53E0F3)
YUV	184.0070, 29.0835, -88.5831
Hunter-Lab	78.5597, -31.9422, -16.1462

Details

The RYB color **83, 158, 243** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **243, 105, 83**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **149, 202, 255**, and **0, 88, 187** is the 20% darker color. If you saturate the color by 10%, you get **59, 145, 243**, and if you desaturate by 10%, it is **107, 171, 243**.

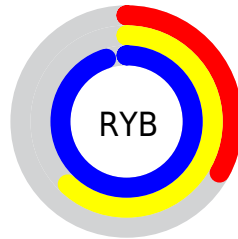
Distribution



Red (33%)

Green (88%)

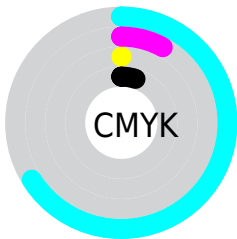
Blue (95%)



Red (33%)

Yellow (62%)

Blue (95%)

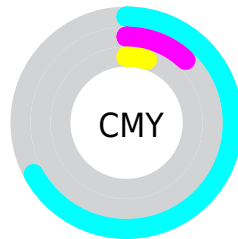


Cyan (66%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (67%)

















Magenta (12%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 158, 243 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 83, 158, 243 by changing the saturation by 10% instead.

 83, 158, 243	 83, 158, 243
 255, 255, 255	 40, 122, 215
 149, 202, 255	 0, 89, 187
 181, 218, 255	 0, 75, 160
 212, 234, 255	 0, 62, 134
 243, 249, 255	 0, 49, 108
	 0, 37, 84
	 0, 26, 61
	 0, 13, 39
	 0, 1, 17

■ 83, 158, 243

■ 83, 158, 243

■ 59, 145, 243

■ 107, 171, 243

■ 34, 132, 243

■ 132, 184, 243

■ 10, 119, 243

■ 156, 197, 243

■ 0, 114, 243

■ 180, 210, 243

■ 204, 222, 243

■ 229, 235, 243

■ 253, 244, 243

■ 255, 249, 243

■ 252, 255, 243

Harmonies

Analogous

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



106, 170, 225



83, 158, 243



109, 171, 255

Triad

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



83, 158, 243



254, 184, 239



164, 227, 135

Complementary

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



83, 158, 243



243, 105, 83

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, 232, 144



83, 158, 243



255, 179, 204

Square

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



83, 158, 243



215, 196, 255



255, 185, 170



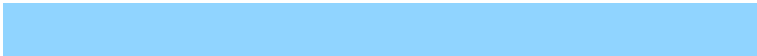
145, 215, 170

Rectangle

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



83, 158, 243



144, 186, 255



255, 185, 170



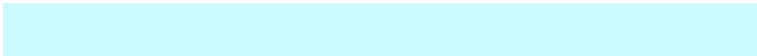
196, 239, 136

Sweetspot

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



83, 158, 243



204, 228, 255



83, 226, 243



97, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 158, 243



54, 148, 255



83, 127, 243



110, 116, 122



0, 87, 186



0, 28, 59

Inverse Universe

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



243, 83, 224



255, 54, 231



182, 243, 83



122, 110, 121



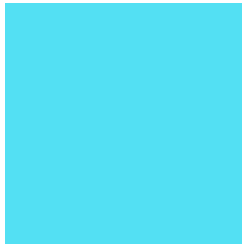
186, 0, 164



59, 0, 52

Previews

White Background



This preview shows how the RYB color 83, 158, 243 looks on a white background.

Color Contrast Check

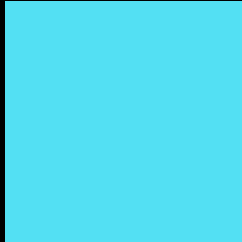
Large Text (above 18pt) WCAG AA × Fail

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 83, 158, 243 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 83, 158, 243 Background



This preview shows how black text looks on a background with the RYB color 83, 158, 243.

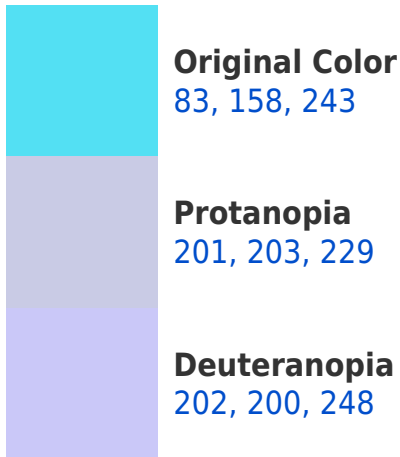


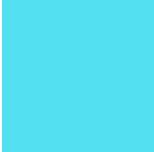
This preview shows how white text looks on a background with the RYB color 83, 158, 243.

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





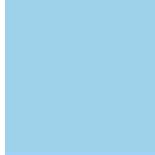
Tritanopia
83, 158, 242

Trichromacy



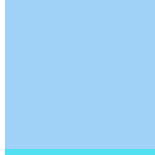
Original Color

83, 158, 243



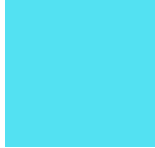
Protanomaly

158, 189, 234



Deuteranomaly

159, 191, 246



Tritanomaly

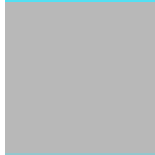
83, 158, 242

Monochromacy



Original Color

83, 158, 243



Achromatopsia

184, 184, 184



Achromatomaly

147, 174, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 158, 243 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(83, 224, 243)` looks like.

```
.text, #text, p{  
    color:rgb(83, 224, 243)  
}
```

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(83, 224, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 224, 243) }
```

Border

The CSS property to change the border of an element to RYB 83, 158, 243 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(83, 224, 243) }
```

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

```
.border{ border-color:rgb(83, 224, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 224, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 224, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 224, 243);  
box-shadow:4px 4px 4px 4px rgb(83, 224,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 83, 158, 243 is called "background".

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

```
.background, #background, body{  
background: rgb(83, 224, 243) }
```

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

```
.background{ background-color: rgb(83, 224,  
243) }
```

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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