

Converting Colors

`RYB(83, 147, 243)`

Have a look what the booklet for
RYB(83, 147, 243) contains.

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Color

R_YB(83, 147, 243)

Conversions

Conversions Part 1

Format	Color
Hex	53BEF3
RGB	83, 190, 243
RGB Percent	33%, 75%, 95%
CMY	0.6745, 0.2562, 0.0471
CMYK	0.66, 0.22, 0.00, 0.05
HSL	200°, 87%, 64%
HSV	200°, 66%, 95%
XYZ	38.0863, 44.9927, 91.4711
YIQ	164.0490, -80.7850, -6.2010

Conversions

Conversions Part 2

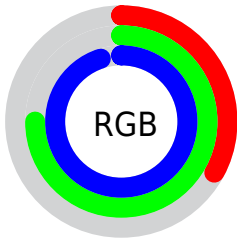
Format	Color
R _Y B	83, 147, 243
Decimal	5488371
CIE Lab	72.89, -14.51, -35.46
CIE LCh	73, 38.316, 247.742
Yxy	44.9927, 0.2182, 0.2578
Android (android.graphics.Color)	4283678451 (0xFF53BEF3)
YUV	164.0490, 38.9228, -71.0800
Hunter-Lab	67.0766, -16.0313, -33.8990

Details

The RYB color **83, 147, 243** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **243, 162, 83**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **147, 199, 255**, and **0, 79, 187** is the 20% darker color. If you saturate the color by 10%, you get **59, 133, 243**, and if you desaturate by 10%, it is **107, 162, 243**.

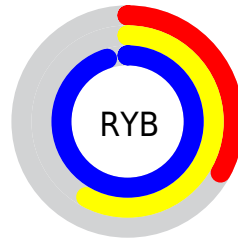
Distribution



Red (33%)

Green (75%)

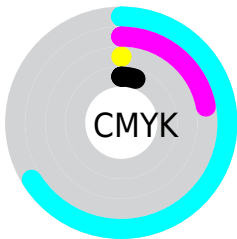
Blue (95%)



Red (33%)

Yellow (58%)

Blue (95%)

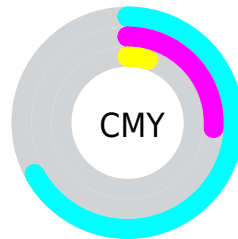


Cyan (66%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (67%)

















Magenta (26%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 147, 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, 147, 243 by changing the saturation by 10% instead.

 83, 147, 243	 83, 147, 243
 255, 255, 255	 43, 114, 214
 147, 199, 255	 0, 79, 187
 178, 217, 255	 0, 65, 159
 208, 232, 255	 0, 53, 133
 239, 247, 255	 0, 40, 108
	 0, 28, 83
	 0, 16, 60
	 0, 2, 37
	 0, 1, 14

■ 83, 147, 243

■ 83, 147, 243

■ 59, 133, 243

■ 107, 162, 243

■ 34, 117, 243

■ 132, 176, 243

■ 10, 103, 243

■ 156, 191, 243

■ 0, 97, 243

■ 180, 205, 243

■ 204, 220, 243

■ 229, 234, 243

■ 253, 247, 243

■ 244, 255, 243

■ 243, 255, 243

Harmonies

Analogous

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



34, 121, 221



83, 147, 243



143, 170, 248

Triad

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



83, 147, 243



247, 152, 171



122, 189, 156

Complementary

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



83, 147, 243



243, 162, 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.



124, 193, 109



83, 147, 243



244, 161, 138

Square

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



83, 147, 243



231, 156, 206



224, 218, 115



112, 169, 196

Rectangle

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



83, 147, 243



179, 171, 241



224, 218, 115



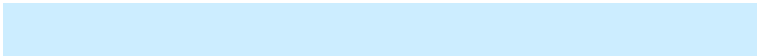
116, 187, 134

Sweetspot

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



83, 147, 243



204, 224, 255



83, 203, 243



97, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 147, 243



54, 134, 255



83, 108, 243



110, 115, 122



0, 74, 186



0, 23, 59

Inverse Universe

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



243, 83, 190



255, 54, 188



115, 243, 83



122, 110, 118



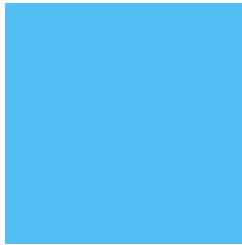
186, 0, 124



59, 0, 39

Previews

White Background



This preview shows how the RYB color 83, 147, 243 looks on a white background.

Color Contrast Check

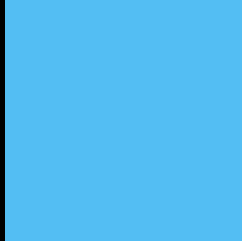
Large Text (above 18pt) WCAG AA × Fail

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, 147, 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

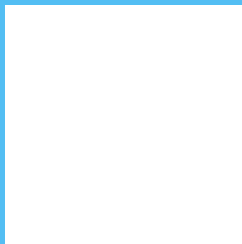
Any Text WCAG AAA ✓ Pass

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

RYB 83, 147, 243 Background



This preview shows how black text looks on a background with the RYB color 83, 147, 243.

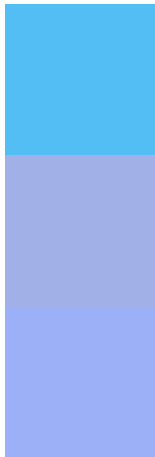


This preview shows how white text looks on a background with the RYB color 83, 147, 243.

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](#).

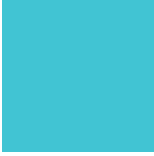
Dichromacy



Original Color
83, 147, 243

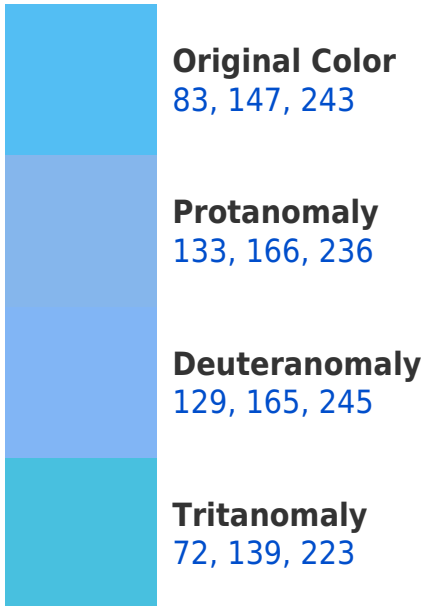
Protanopia
162, 174, 232

Deuteranopia
155, 172, 246

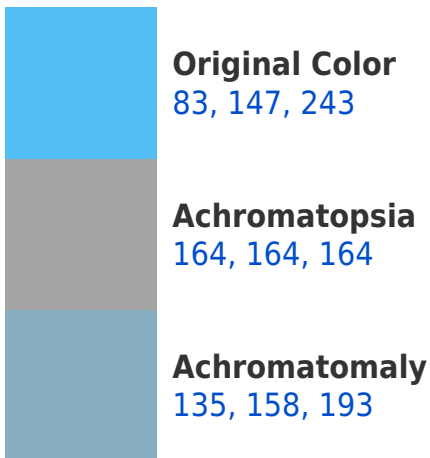


Tritanopia
65, 134, 211

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 147, 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, 190, 243)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 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, 190, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 243) }
```

Border

The CSS property to change the border of an element to RYB 83, 147, 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, 190, 243) }
```

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

```
.border{ border-color:rgb(83, 190, 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, 190, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 243);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 83, 190, 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, 190, 243) }
```

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

```
.background{ background-color: rgb(83, 190,  
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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