

Converting Colors

`RYB(83, 123, 243)`

Have a look what the booklet for
RYB(83, 123, 243) contains.

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Color

`RYB(83, 123, 243)`

Conversions

Conversions Part 1

Format	Color
Hex	5388F3
RGB	83, 136, 243
RGB Percent	33%, 53%, 95%
CMY	0.6745, 0.4654, 0.0471
CMYK	0.66, 0.44, 0.00, 0.05
HSL	220°, 87%, 64%
HSV	220°, 66%, 95%
XYZ	28.5961, 26.0124, 88.3077
YIQ	132.3510, -65.9350, 22.0410

Conversions

Conversions Part 2

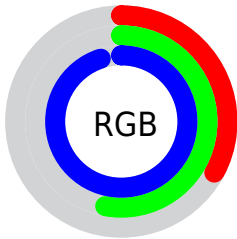
Format	Color
R _{YB}	83, 123, 243
Decimal	5474547
CIE _{Lab}	58.05, 15.86, -58.84
CIE _{LCh}	58, 60.943, 285.086
Y _{xy}	26.0124, 0.2001, 0.1820
Android (android.graphics.Color)	4283664627 (0xFF5388F3)
Y _{UV}	132.3510, 54.5500, -43.2808
Hunter-Lab	51.0024, 10.8276, -66.9556

Details

The RYB color **83, 123, 243** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **162, 243, 83**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **147, 177, 255**, and **0, 59, 186** is the 20% darker color. If you saturate the color by 10%, you get **59, 105, 243**, and if you desaturate by 10%, it is **107, 141, 243**.

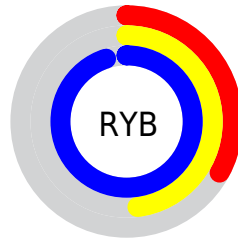
Distribution



Red (33%)

Green (53%)

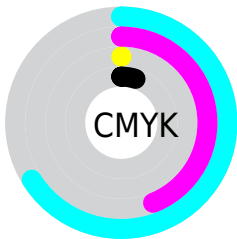
Blue (95%)



Red (33%)

Yellow (48%)

Blue (95%)

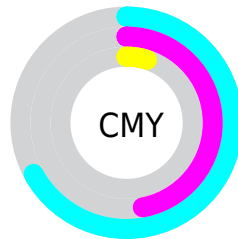


Cyan (66%)

Magenta (44%)

Yellow (0%)

Black (5%)



Cyan (67%)


Magenta (47%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 123, 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, 123, 243 by changing the saturation by 10% instead.

 83, 123, 243

 83, 123, 243

255, 255, 255

 44, 92, 214

 147, 177, 255

 0, 59, 186

 177, 203, 255

 0, 46, 159

 207, 228, 255

 0, 33, 132

 238, 247, 255

 0, 20, 106

 0, 5, 81

 0, 5, 57

 0, 2, 35

 0, 0, 9

■ 83, 123, 243

■ 83, 123, 243

■ 59, 105, 243

■ 107, 141, 243

■ 34, 86, 243

■ 132, 160, 243

■ 10, 68, 243

■ 156, 178, 243

■ 0, 61, 243

■ 180, 196, 243

■ 204, 214, 243

■ 229, 233, 243

■ 247, 253, 243

■ 243, 255, 243

Harmonies

Analogous

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



0, 94, 243



83, 123, 243



176, 113, 215

Triad

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



83, 123, 243



222, 118, 66



0, 97, 163

Complementary

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



83, 123, 243



162, 243, 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.



59, 157, 138



83, 123, 243



122, 188, 25

Square

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



83, 123, 243



236, 88, 115



17, 145, 21



0, 83, 166

Rectangle

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



83, 123, 243



211, 98, 185



17, 145, 21



0, 102, 161

Sweetspot

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



83, 123, 243



204, 217, 255



83, 179, 243



97, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 123, 243



54, 104, 255



110, 83, 243



110, 113, 122



0, 47, 186



0, 15, 59

Inverse Universe

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



243, 83, 136



255, 54, 121



83, 243, 110



122, 110, 114



186, 0, 62



59, 0, 20

Previews

White Background



This preview shows how the RYB color 83, 123, 243 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 123, 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

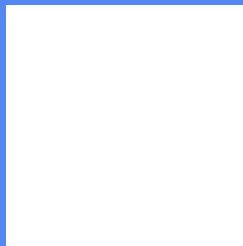
Any Text WCAG AAA × Fail

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

RYB 83, 123, 243 Background



This preview shows how black text looks on a background with the RYB color 83, 123, 243.



This preview shows how white text looks on a background with the RYB color 83, 123, 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, 123, 243

Protanopia

91, 125, 242

Deuteranopia

54, 113, 242

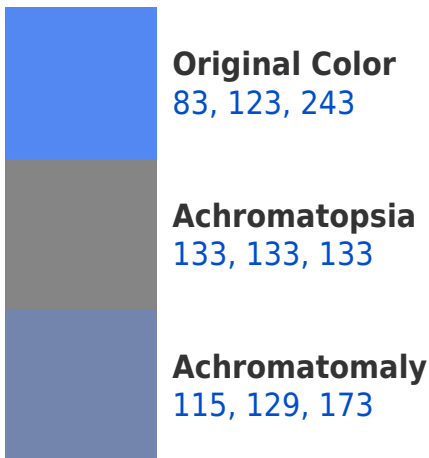


Tritanopia
32, 96, 166

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 123, 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, 136, 243)` looks like.

```
.text, #text, p{  
    color:rgb(83, 136, 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, 136, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 136, 243) }
```

Border

The CSS property to change the border of an element to RYB 83, 123, 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, 136, 243) }
```

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

```
.border{ border-color:rgb(83, 136, 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, 136, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 136, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 136, 243);  
box-shadow:4px 4px 4px 4px rgb(83, 136,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 83, 123, 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, 136, 243) }
```

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

```
.background{ background-color: rgb(83, 136,  
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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