

Converting Colors

`RYB(83, 123, 222)`

Have a look what the booklet for
RYB(83, 123, 222) contains.

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Color

`RYB(83, 123, 222)`

Conversions

Conversions Part 1

Format	Color
Hex	538BDE
RGB	83, 139, 222
RGB Percent	33%, 55%, 87%
CMY	0.6745, 0.4543, 0.1294
CMYK	0.63, 0.37, 0.00, 0.13
HSL	216°, 68%, 60%
HSV	216°, 63%, 87%
XYZ	26.0081, 25.6250, 72.6826
YIQ	131.7180, -60.0190, 13.9410

Conversions

Conversions Part 2

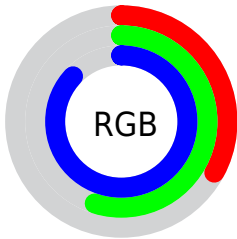
Format	Color
R_{YB}	83, 123, 222
Decimal	5475294
CIE Lab	57.68, 7.03, -47.76
CIE LCh	58, 48.272, 278.368
Yxy	25.6250, 0.2092, 0.2061
Android (android.graphics.Color)	4283665374 (0xFF538BDE)
YUV	131.7180, 44.5090, -42.7257
Hunter-Lab	50.6211, 3.1227, -49.6947

Details

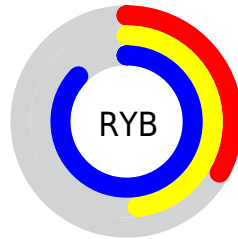
The RYB color **83, 123, 222** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **177, 222, 83**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **144, 178, 255**, and **0, 58, 166** is the 20% darker color. If you saturate the color by 10%, you get **61, 107, 222**, and if you desaturate by 10%, it is **105, 139, 222**.

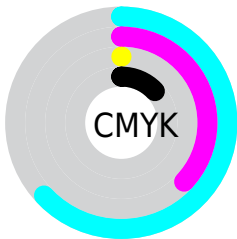
Distribution



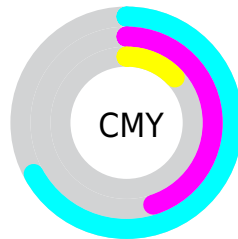
- Red (33%)
- Green (55%)
- Blue (87%)



- Red (33%)
- Yellow (48%)
- Blue (87%)



- Cyan (63%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)



















- Cyan (67%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 123, 222 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, 222 by changing the saturation by 10% instead.

 83, 123, 222	 83, 123, 222
 255, 255, 255	 48, 93, 194
 144, 178, 255	 0, 58, 166
 173, 203, 255	 0, 45, 140
 203, 227, 255	 0, 32, 114
 233, 244, 255	 0, 20, 89
	 0, 6, 65
	 0, 3, 42
	 0, 1, 20
	 0, 0, 0

■ 83, 123, 222

■ 83, 123, 222

■ 61, 107, 222

■ 105, 139, 222

■ 39, 92, 222

■ 127, 155, 222

■ 16, 75, 222

■ 150, 171, 222

■ 0, 64, 222

■ 172, 186, 222

■ 194, 202, 222

■ 216, 218, 222

■ 232, 238, 222

■ 236, 255, 222

■ 222, 255, 222

Harmonies

Analogous

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



0, 89, 216



83, 123, 222



157, 123, 205

Triad

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



83, 123, 222



211, 115, 88



36, 113, 157

Complementary

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



83, 123, 222



177, 222, 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.



69, 151, 114



83, 123, 222



179, 187, 59

Square

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



83, 123, 222



217, 101, 128



62, 151, 50



0, 83, 160

Rectangle

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



83, 123, 222



188, 112, 183



62, 151, 50



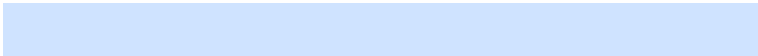
67, 136, 156

Sweetspot

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



83, 123, 222



207, 221, 255



83, 171, 222



98, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 123, 222



64, 119, 255



95, 83, 222



101, 104, 112



0, 51, 176



0, 14, 48

Inverse Universe

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



222, 83, 139



255, 64, 141



83, 222, 95



112, 101, 106



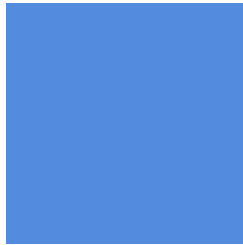
176, 0, 71



48, 0, 20

Previews

White Background



This preview shows how the RYB color 83, 123, 222 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, 222 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](#).

R Y B 83, 123, 222 Background



This preview shows how black text looks on a background with the RYB color 83, 123, 222.

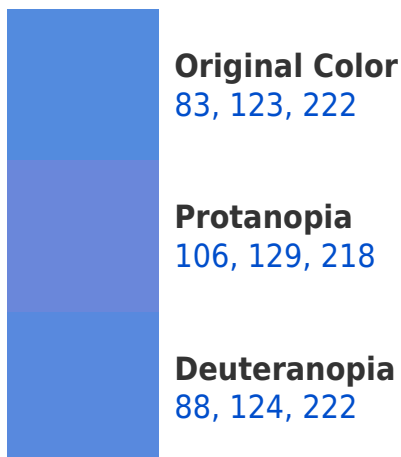


This preview shows how white text looks on a background with the RYB color 83, 123, 222.

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



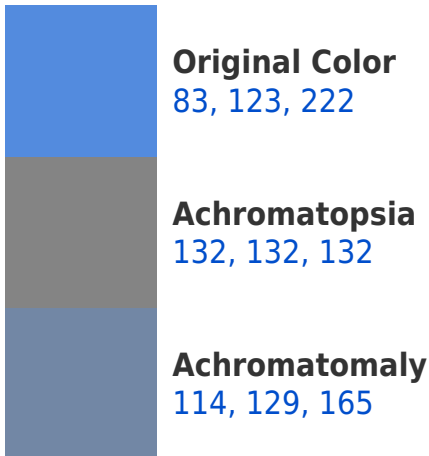


Tritanopia
53, 105, 164

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 123, 222 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, 139, 222)` looks like.

```
.text, #text, p{  
    color:rgb(83, 139, 222)  
}
```

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, 139, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 139, 222) }
```

Border

The CSS property to change the border of an element to RYB 83, 123, 222 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, 139, 222) }
```

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

```
.border{ border-color:rgb(83, 139, 222) }
```

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

Here you see how a box with a 4 pixel rgb(83, 139, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 139, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 139, 222);  
box-shadow:4px 4px 4px 4px rgb(83, 139,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 83, 139, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 139, 222) }
```

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

```
.background{ background-color: rgb(83, 139,  
222) }
```

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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