

Converting Colors

`RYB(83, 83, 226)`

Have a look what the booklet for
RYB(83, 83, 226) contains.

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Color

R_YB(83, 83, 226)

Conversions

Conversions Part 1

Format	Color
Hex	5353E2
RGB	83, 83, 226
RGB Percent	33%, 33%, 89%
CMY	0.6745, 0.6745, 0.1137
CMYK	0.63, 0.63, 0.00, 0.11
HSL	240°, 71%, 61%
HSV	240°, 63%, 89%
XYZ	20.3880, 13.5165, 73.4859
YIQ	99.3020, -45.9030, 44.4730

Conversions

Conversions Part 2

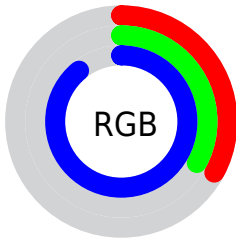
Format	Color
R_{YB}	83, 83, 226
Decimal	5460962
CIE _{Lab}	43.53, 42.71, -72.79
CIE _{LCh}	44, 84.395, 300.399
Yxy	13.5165, 0.1898, 0.1259
Android (android.graphics.Color)	4283651042 (0xFF5353E2)
YUV	99.3020, 62.4621, -14.2969
Hunter-Lab	36.7648, 34.6492, -92.7742

Details

The RYB color **83, 83, 226** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **83, 226, 83**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **146, 133, 255**, and **0, 30, 169** is the 20% darker color. If you saturate the color by 10%, you get **60, 60, 226**, and if you desaturate by 10%, it is **106, 106, 226**.

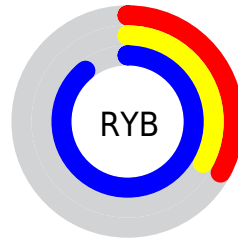
Distribution



Red (33%)

Green (33%)

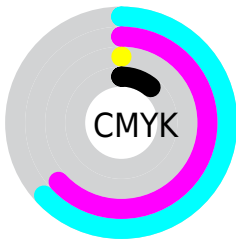
Blue (89%)



Red (33%)

Yellow (33%)

Blue (89%)

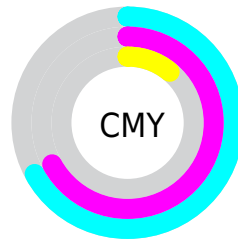


Cyan (63%)

Magenta (63%)

Yellow (0%)

Black (11%)



Cyan (67%)


















Magenta (67%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 83, 83, 226 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, 83, 226 by changing the saturation by 10% instead.

 83, 83, 226	 83, 83, 226
 255, 255, 255	 45, 59, 197
 146, 133, 255	 0, 30, 169
 177, 159, 255	 0, 15, 142
 207, 187, 255	 0, 0, 116
 238, 214, 255	 0, 2, 90
 255, 243, 255	 0, 6, 65
	 0, 3, 42
	 0, 1, 21
	 0, 0, 0

 83, 83, 226

 83, 83, 226


 60, 60, 226


 106, 106, 226


 38, 38, 226

 128, 128, 226

 15, 15, 226

 151, 151, 226

 0, 0, 226

 173, 173, 226

 196, 196, 226

 219, 219, 226

 226, 241, 226

 226, 255, 226

Harmonies

Analogous

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



0, 77, 246



83, 83, 226



183, 17, 173

Triad

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



83, 83, 226



178, 110, 0



0, 73, 130

Complementary

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



83, 83, 226



83, 226, 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.



0, 108, 126



83, 83, 226



30, 125, 0

Square

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



83, 83, 226



212, 0, 37



0, 118, 67



0, 75, 173

Rectangle

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



83, 83, 226



211, 0, 129



0, 118, 67



0, 81, 129

Sweetspot

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



83, 83, 226



207, 207, 255



83, 155, 226



98, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 83, 226



61, 61, 255



155, 83, 226



101, 101, 112



0, 0, 176



0, 0, 48

Inverse Universe

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



226, 83, 226



255, 61, 255



83, 226, 154



112, 101, 112



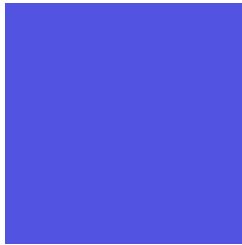
176, 0, 176



48, 0, 48

Previews

White Background



This preview shows how the RYB color 83, 83, 226 looks on a white background.

Color Contrast Check

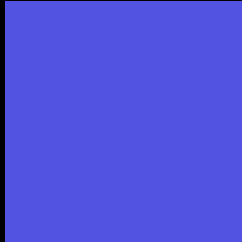
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 83, 83, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

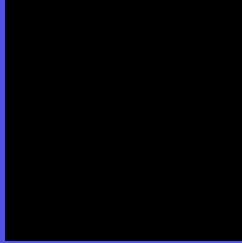
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R_YB 83, 83, 226 Background



This preview shows how black text looks on a background with the R_YB color 83, 83, 226.

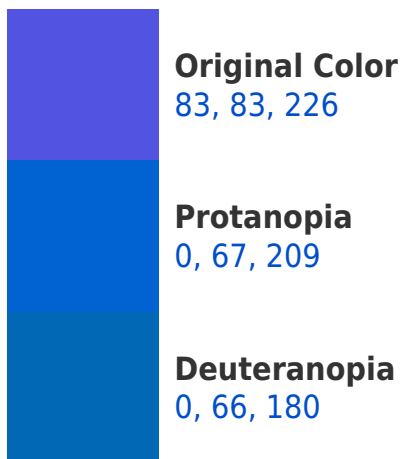


This preview shows how white text looks on a background with the R_YB color 83, 83, 226.

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
15, 66, 123

Trichromacy



Original Color
83, 83, 226

Protanomaly
30, 77, 215

Deuteranomaly
30, 78, 197

Tritanomaly
40, 81, 160

Monochromacy



Original Color
83, 83, 226

Achromatopsia
99, 99, 99

Achromatomaly
93, 93, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 83, 226 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, 83, 226)` looks like.

```
.text, #text, p{  
    color:rgb(83, 83, 226)  
}
```

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, 83, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 83, 226) }
```

Border

The CSS property to change the border of an element to RYB 83, 83, 226 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, 83, 226) }
```

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

```
.border{ border-color:rgb(83, 83, 226) }
```

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

Here you see how a box with a 4 pixel rgb(83, 83, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 83, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 83, 226);  
box-shadow:4px 4px 4px 4px rgb(83, 83,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 83, 83, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 83, 226) }
```

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

```
.background{ background-color: rgb(83, 83,  
226) }
```

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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