

Converting Colors

`RYB(83, 55, 205)`

Have a look what the booklet for
RYB(83, 55, 205) contains.

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Color

R_YB(83, 55, 205)

Conversions

Conversions Part 1

Format	Color
Hex	5337CD
RGB	83, 55, 205
RGB Percent	33%, 22%, 80%
CMY	0.6745, 0.7843, 0.1961
CMYK	0.60, 0.73, 0.00, 0.20
HSL	251°, 60%, 51%
HSV	251°, 73%, 80%
XYZ	15.9529, 8.9792, 58.6499
YIQ	80.4720, -31.4620, 52.5860

Conversions

Conversions Part 2

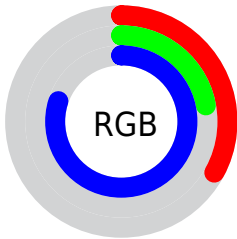
Format	Color
R _Y B	83, 55, 205
Decimal	5453773
CIE Lab	35.94, 51.91, -73.17
CIE LCh	36, 89.713, 305.353
Yxy	8.9792, 0.1909, 0.1074
Android (android.graphics.Color)	4283643853 (0xFF5337CD)
YUV	80.4720, 61.3923, 2.2171
Hunter-Lab	29.9652, 42.5908, -95.0706

Details

The RYB color **83, 55, 205** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **55, 205, 83**, and the grayscale version is **80, 80, 80**.

A 20% lighter version of the original color is **145, 105, 255**, and **0, 3, 149** is the 20% darker color. If you saturate the color by 10%, you get **66, 35, 205**, and if you desaturate by 10%, it is **100, 76, 205**.

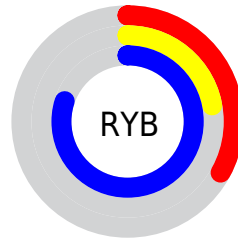
Distribution



Red (33%)

Green (22%)

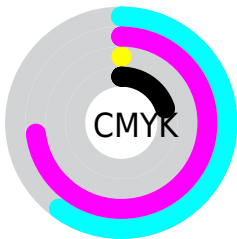
Blue (80%)



Red (33%)

Yellow (22%)

Blue (80%)

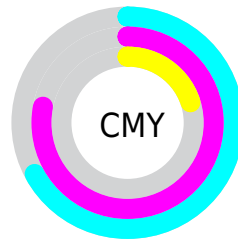


Cyan (60%)

Magenta (73%)

Yellow (0%)

Black (20%)



Cyan (67%)

Magenta (78%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 55, 205 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, 55, 205 by changing the saturation by 10% instead.



83, 55, 205



83, 55, 205

255, 255, 255



47, 30, 177



145, 105, 255



0, 3, 149



175, 131, 255



0, 0, 123



205, 158, 255



0, 0, 97



235, 185, 255



0, 7, 72



255, 213, 255



0, 4, 48



255, 242, 255



0, 1, 27



0, 0, 0



83, 55, 205



83, 55, 205

■ 66, 35, 205

■ 100, 76, 205

■ 50, 14, 205

■ 116, 96, 205

■ 38, 0, 205

■ 133, 117, 205

■ 150, 137, 205

■ 166, 158, 205

■ 183, 178, 205

■ 200, 199, 205

■ 205, 219, 208

■ 205, 240, 212

Harmonies

Analogous

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



0, 66, 232



83, 55, 205



174, 0, 146

Triad

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



83, 55, 205



149, 85, 0



0, 59, 110

Complementary

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



83, 55, 205



55, 205, 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, 97, 107



83, 55, 205



6, 93, 0

Square

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



83, 55, 205



188, 0, 1



0, 101, 101



0, 67, 168

Rectangle

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



83, 55, 205



197, 0, 99



0, 101, 101



0, 66, 109

Sweetspot

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



83, 55, 205



209, 199, 255



55, 123, 205



101, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 55, 205



72, 31, 255



158, 55, 205



94, 92, 102



31, 0, 166



7, 0, 38

Inverse Universe

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



205, 55, 177



255, 31, 213



55, 205, 157



102, 92, 100



166, 0, 135



38, 0, 31

Previews

White Background



This preview shows how the RYB color 83, 55, 205 looks on a white background.

Color Contrast Check

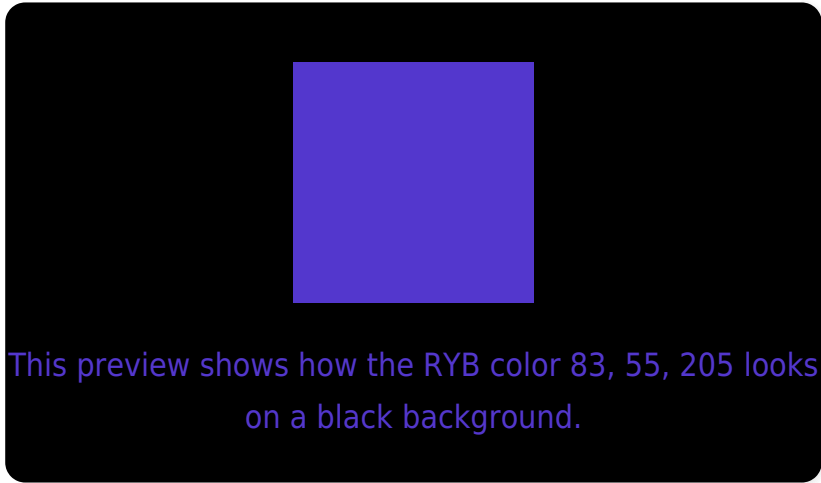
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

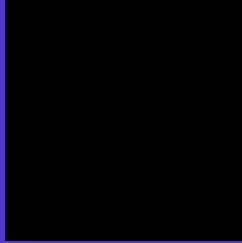
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R_YB 83, 55, 205 Background



This preview shows how black text looks on a background with the R_YB color 83, 55, 205.

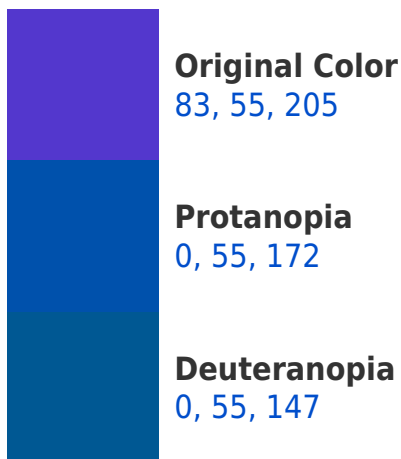


This preview shows how white text looks on a background with the R_YB color 83, 55, 205.

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
35, 65, 100

Trichromacy



Original Color
83, 55, 205

Protanomaly
30, 63, 184

Deuteranomaly
30, 64, 168

Tritanomaly
52, 73, 138

Monochromacy



Original Color
83, 55, 205

Achromatopsia
80, 80, 80

Achromatomaly
81, 71, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 55, 205 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, 55, 205)` looks like.

```
.text, #text, p{  
    color:rgb(83, 55, 205)  
}
```

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, 55, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 55, 205) }
```

Border

The CSS property to change the border of an element to RYB 83, 55, 205 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, 55, 205) }
```

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

```
.border{ border-color:rgb(83, 55, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 55, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 55, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 55, 205);  
box-shadow:4px 4px 4px 4px rgb(83, 55,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 83, 55, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 55, 205) }
```

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

```
.background{ background-color: rgb(83, 55,  
205) }
```

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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