

Converting Colors

`RYB(103, 71, 203)`

Have a look what the booklet for
RYB(103, 71, 203) contains.

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Color

R_YB(103, 71, 203)

Conversions

Conversions Part 1

Format	Color
Hex	6747CB
RGB	103, 71, 203
RGB Percent	40%, 28%, 80%
CMY	0.5961, 0.7216, 0.2039
CMYK	0.49, 0.65, 0.00, 0.20
HSL	255°, 56%, 54%
HSV	255°, 65%, 80%
XYZ	18.6262, 11.7018, 57.7769
YIQ	95.6160, -23.3000, 47.8360

Conversions

Conversions Part 2

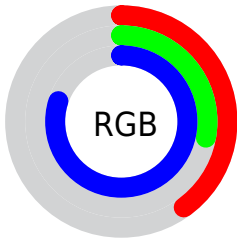
Format	Color
R_{YB}	103, 71, 203
Decimal	6768587
CIE _{Lab}	40.74, 45.86, -64.09
CIE _{LCh}	41, 78.812, 305.586
Yxy	11.7018, 0.2114, 0.1328
Android (android.graphics.Color)	4284958667 (0xFF6747CB)
YUV	95.6160, 52.9403, 6.4758
Hunter-Lab	34.2079, 37.3294, -76.1946

Details

The RYB color **103, 71, 203** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **71, 203, 103**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **161, 121, 255**, and **39, 23, 148** is the 20% darker color. If you saturate the color by 10%, you get **88, 51, 203**, and if you desaturate by 10%, it is **118, 91, 203**.

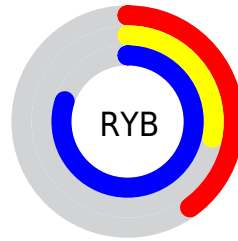
Distribution



Red (40%)

Green (28%)

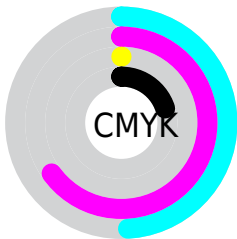
Blue (80%)



Red (40%)

Yellow (28%)

Blue (80%)

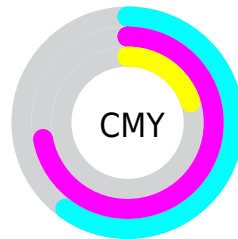


Cyan (49%)

Magenta (65%)

Yellow (0%)

Black (20%)



Cyan (60%)


Magenta (72%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 71, 203 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 103, 71, 203 by changing the saturation by 10% instead.

 103, 71, 203


 103, 71, 203

255, 255, 255


 73, 47, 175

 161, 121, 255

 39, 23, 148

 190, 148, 255

 0, 0, 121

 220, 175, 255

 0, 0, 96

 250, 202, 255

 0, 3, 71

 255, 231, 255

 0, 4, 47

 0, 1, 26

 0, 0, 0

 103, 71, 203

 103, 71, 203

■ 88, 51, 203

■ 118, 91, 203

■ 72, 30, 203

■ 134, 112, 203

■ 57, 10, 203

■ 149, 132, 203

■ 49, 0, 203

■ 165, 152, 203

■ 180, 173, 203

■ 195, 193, 203

■ 203, 213, 205

■ 203, 233, 210

■ 203, 254, 216

Harmonies

Analogous

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



0, 70, 227



103, 71, 203



179, 0, 151

Triad

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



103, 71, 203



159, 128, 0



0, 64, 121

Complementary

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



103, 71, 203



71, 203, 103

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, 91, 119



103, 71, 203



10, 107, 0

Square

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



103, 71, 203



193, 12, 23



0, 112, 85



0, 71, 171

Rectangle

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



103, 71, 203



200, 0, 109



0, 112, 85



0, 71, 121

Sweetspot

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



103, 71, 203



216, 204, 255



71, 128, 203



104, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 71, 203



104, 56, 255



168, 71, 203



94, 92, 102



40, 0, 166



9, 0, 38

Inverse Universe

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



203, 71, 171



255, 56, 207



71, 203, 168



102, 92, 100



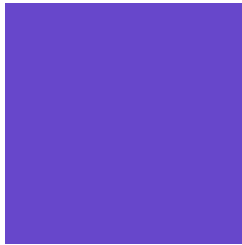
166, 0, 126



38, 0, 29

Previews

White Background



This preview shows how the RYB color 103, 71, 203 looks on a white background.

Color Contrast Check

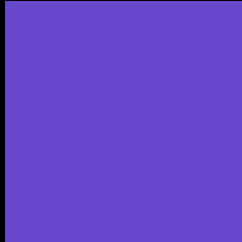
Large Text (above 18pt) WCAG AA ✓ Pass

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 103, 71, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

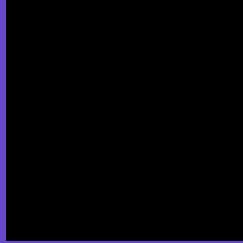
Any Text WCAG AA × Fail

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 Y B 103, 71, 203 Background



This preview shows how black text looks on a background with the R Y B color 103, 71, 203.

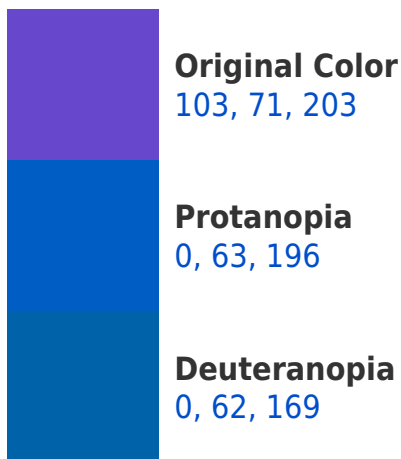


This preview shows how white text looks on a background with the R Y B color 103, 71, 203.

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
76, 90, 108

Trichromacy



Original Color

103, 71, 203



Protanomaly

37, 74, 199



Deuteranomaly

37, 75, 181



Tritanomaly

86, 89, 143

Monochromacy



Original Color

103, 71, 203



Achromatopsia

96, 96, 96



Achromatomaly

99, 87, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 71, 203 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(103, 71, 203)` looks like.

```
.text, #text, p{  
    color:rgb(103, 71, 203)  
}
```

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(103, 71, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 71, 203) }
```

Border

The CSS property to change the border of an element to RYB 103, 71, 203 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(103, 71, 203) }
```

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

```
.border{ border-color:rgb(103, 71, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 71, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 71, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 71, 203);  
box-shadow:4px 4px 4px 4px rgb(103, 71,  
203) }
```

Background

The CSS property to change the background color of an element to RGB 103, 71, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 71, 203) }
```

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

```
.background{ background-color: rgb(103, 71,  
203) }
```

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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