

Converting Colors

`RYB(116, 79, 203)`

Have a look what the booklet for
RYB(116, 79, 203) contains.

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Color

R_YB(116, 79, 203)

Conversions

Conversions Part 1

Format	Color
Hex	744FCB
RGB	116, 79, 203
RGB Percent	45%, 31%, 80%
CMY	0.5451, 0.6902, 0.2039
CMYK	0.43, 0.61, 0.00, 0.20
HSL	258°, 54%, 55%
HSV	258°, 61%, 80%
XYZ	20.7779, 13.6168, 58.0331
YIQ	104.1990, -17.7520, 46.4080

Conversions

Conversions Part 2

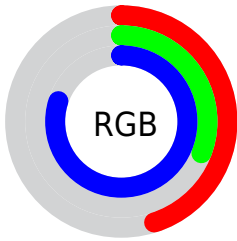
Format	Color
RYB	116, 79, 203
Decimal	7622603
CIELab	43.68, 43.97, -59.26
CIELCh	44, 73.793, 306.572
Yxy	13.6168, 0.2248, 0.1473
Android (android.graphics.Color)	4285812683 (0xFF744FCB)
YUV	104.1990, 48.7089, 10.3495
Hunter-Lab	36.9009, 35.9321, -67.4132

Details

The RYB color **116, 79, 203** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **79, 203, 116**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **173, 130, 255**, and **58, 31, 148** is the 20% darker color. If you saturate the color by 10%, you get **102, 59, 203**, and if you desaturate by 10%, it is **130, 99, 203**.

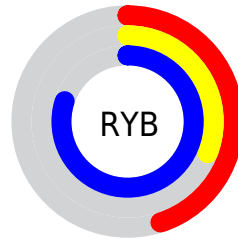
Distribution



Red (45%)

Green (31%)

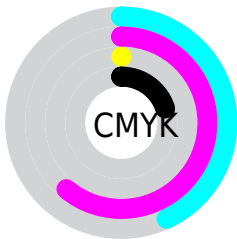
Blue (80%)



Red (45%)

Yellow (31%)

Blue (80%)

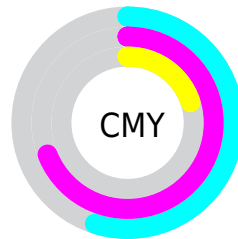


Cyan (43%)

Magenta (61%)

Yellow (0%)

Black (20%)



Cyan (55%)

Magenta (69%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 79, 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 116, 79, 203 by changing the saturation by 10% instead.

 116, 79, 203

 116, 79, 203

255, 255, 255


 87, 55, 175

 173, 130, 255

 58, 31, 148

 202, 156, 255

 22, 5, 121

 232, 184, 255

 0, 0, 96

 255, 212, 255

 0, 0, 71

 255, 240, 255

 0, 4, 48

 0, 1, 26

 0, 0, 0

 116, 79, 203

 116, 79, 203

■ 102, 59, 203

■ 130, 99, 203

■ 88, 38, 203

■ 144, 120, 203

■ 73, 18, 203

■ 159, 140, 203

■ 61, 0, 203

■ 173, 160, 203

■ 187, 181, 203

■ 201, 201, 203

■ 203, 221, 208

■ 203, 241, 214

■ 203, 255, 214

Harmonies

Analogous

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



0, 73, 227



116, 79, 203



184, 34, 153

Triad

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



116, 79, 203



163, 161, 0



0, 67, 128

Complementary

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



116, 79, 203



79, 203, 116

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, 90, 126



116, 79, 203



10, 114, 0

Square

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



116, 79, 203



197, 43, 33



0, 119, 76



0, 74, 175

Rectangle

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



116, 79, 203



203, 0, 113



0, 119, 76



0, 74, 128

Sweetspot

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



116, 79, 203



223, 209, 255



79, 131, 203



108, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 79, 203



124, 69, 255



176, 79, 203



95, 92, 102



49, 0, 166



11, 0, 38

Inverse Universe

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



203, 79, 166



255, 69, 199



79, 203, 176



102, 92, 99



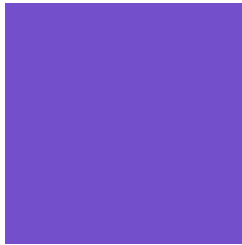
166, 0, 116



38, 0, 27

Previews

White Background



This preview shows how the RYB color 116, 79, 203 looks on a white background.

Color Contrast Check

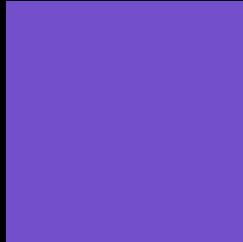
Large Text (above 18pt) WCAG AA ✓ Pass

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 116, 79, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

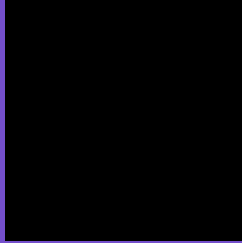
Any Text WCAG AA × Fail

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](#).

RYB 116, 79, 203 Background



This preview shows how black text looks on a background with the RYB color 116, 79, 203.



This preview shows how white text looks on a background with the RYB color 116, 79, 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
94, 101, 113

Trichromacy



Original Color

116, 79, 203



Protanomaly

42, 80, 208



Deuteranomaly

42, 82, 191



Tritanomaly

102, 96, 146

Monochromacy



Original Color

116, 79, 203



Achromatopsia

104, 104, 104



Achromatomaly

108, 95, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 79, 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(116, 79, 203)` looks like.

```
.text, #text, p{  
    color:rgb(116, 79, 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(116, 79, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 79, 203) }
```

Border

The CSS property to change the border of an element to RYB 116, 79, 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(116, 79, 203) }
```

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

```
.border{ border-color:rgb(116, 79, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 79, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 79, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 79, 203);  
box-shadow:4px 4px 4px 4px rgb(116, 79,  
203) }
```

Background

The CSS property to change the background color of an element to RGB 116, 79, 203 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 79, 203) }
```

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

```
.background{ background-color: rgb(116, 79,  
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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