

Converting Colors

`RYB(118, 39, 164)`

Have a look what the booklet for
RYB(118, 39, 164) contains.

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Color

`RYB(118, 39, 164)`

Conversions

Conversions Part 1

Format	Color
Hex	7627A4
RGB	118, 39, 164
RGB Percent	46%, 15%, 64%
CMY	0.5373, 0.8471, 0.3569
CMYK	0.28, 0.76, 0.00, 0.36
HSL	278°, 62%, 40%
HSV	278°, 76%, 64%
XYZ	14.8976, 7.9829, 35.8776
YIQ	76.8710, 6.9590, 55.6230

Conversions

Conversions Part 2

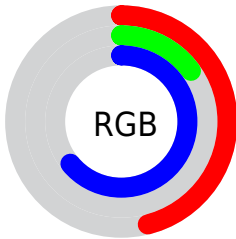
Format	Color
R _Y B	118, 39, 164
Decimal	7743396
CIE Lab	33.95, 54.29, -52.02
CIE LCh	34, 75.196, 316.224
Yxy	7.9829, 0.2535, 0.1359
Android (android.graphics.Color)	4285933476 (0xFF7627A4)
YUV	76.8710, 42.9546, 36.0701
Hunter-Lab	28.2541, 44.6734, -55.5099

Details

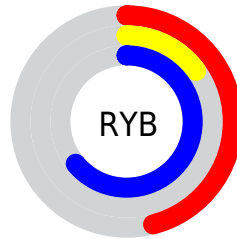
The RYB color **118, 39, 164** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **39, 164, 118**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **174, 93, 220**, and **63, 0, 111** is the 20% darker color. If you saturate the color by 10%, you get **112, 23, 164**, and if you desaturate by 10%, it is **124, 55, 164**.

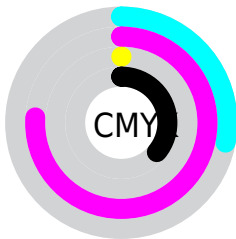
Distribution



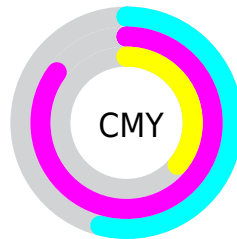
- Red (46%)
- Green (15%)
- Blue (64%)



- Red (46%)
- Yellow (15%)
- Blue (64%)



- Cyan (28%)
- Magenta (76%)
- Yellow (0%)
- Black (36%)




- Cyan (54%)
- Magenta (85%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 39, 164 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 118, 39, 164 by changing the saturation by 10% instead.

 118, 39, 164

255, 255, 255

 174, 93, 220

 203, 119, 249


 232, 146, 255

 255, 174, 255

 255, 202, 255

 255, 231, 255

 118, 39, 164

 91, 3, 137

 63, 0, 111

 36, 0, 86

 0, 0, 62

 0, 3, 39

 0, 1, 16

 0, 0, 0

 118, 39, 164

 112, 23, 164

 118, 39, 164

 124, 55, 164

■ 106, 6, 164

■ 130, 72, 164

■ 104, 0, 164

■ 136, 88, 164

■ 142, 105, 164

■ 148, 121, 164

■ 154, 137, 164

■ 160, 154, 164

■ 164, 170, 168

■ 164, 187, 179

Harmonies

Analogous

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



0, 55, 197



118, 39, 164



168, 0, 110

Triad

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



118, 39, 164



98, 121, 0



0, 54, 112

Complementary

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



118, 39, 164



39, 164, 118

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, 68, 101



118, 39, 164



0, 87, 19

Square

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



118, 39, 164



159, 28, 0



0, 97, 97



0, 63, 166

Rectangle

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



118, 39, 164



178, 0, 71



0, 97, 97



0, 54, 102

Sweetspot

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



118, 39, 164



196, 165, 214



39, 74, 164



96, 77, 107



235, 235, 235



107, 107, 107

Same Dimension

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



118, 39, 164



142, 19, 214



164, 39, 149



79, 73, 82



92, 0, 145



11, 0, 18

Inverse Universe

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



164, 39, 85



214, 19, 91



39, 151, 164



82, 73, 76



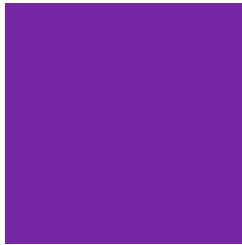
145, 0, 53



18, 0, 7

Previews

White Background



This preview shows how the RYB color 118, 39, 164 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



This preview shows how the RYB color 118, 39, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

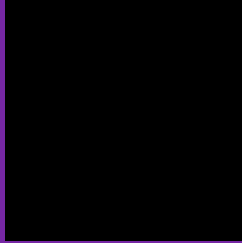
Any Text WCAG AA × Fail

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](#).

RYB 118, 39, 164 Background



This preview shows how black text looks on a background with the RYB color 118, 39, 164.

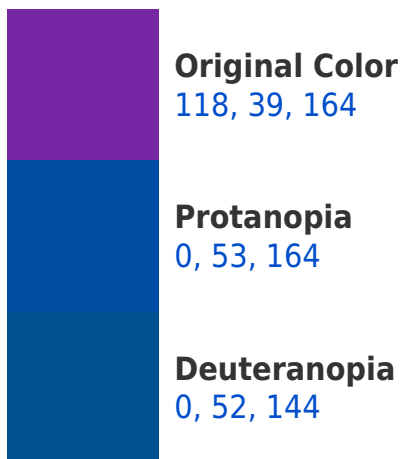


This preview shows how white text looks on a background with the RYB color 118, 39, 164.

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
103, 72, 77

Trichromacy



Original Color

118, 39, 164



Protanomaly

43, 61, 164



Deuteranomaly

43, 62, 151



Tritanomaly

108, 60, 109

Monochromacy



Original Color

118, 39, 164



Achromatopsia

77, 77, 77



Achromatomaly

92, 63, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 39, 164 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(118, 39, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 39, 164)  
}
```

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(118, 39, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 39, 164) }
```

Border

The CSS property to change the border of an element to RYB 118, 39, 164 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(118, 39, 164) }
```

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

```
.border{ border-color:rgb(118, 39, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 39, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 39, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 39, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 39,  
164) }
```

Background

The CSS property to change the background color of an element to RGB 118, 39, 164 is called "background".

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

```
.background, #background, body{  
background: rgb(118, 39, 164) }
```

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

```
.background{ background-color: rgb(118, 39,  
164) }
```

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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