

Converting Colors

`RYB(119, 63, 145)`

Have a look what the booklet for
RYB(119, 63, 145) contains.

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Color

R_YB(119, 63, 145)

Conversions

Conversions Part 1

Format	Color
Hex	773F91
RGB	119, 63, 145
RGB Percent	47%, 25%, 57%
CMY	0.5333, 0.7529, 0.4314
CMYK	0.18, 0.57, 0.00, 0.43
HSL	281°, 39%, 41%
HSV	281°, 57%, 57%
XYZ	14.4961, 9.5213, 27.8618
YIQ	89.0920, 7.0540, 37.3740

Conversions

Conversions Part 2

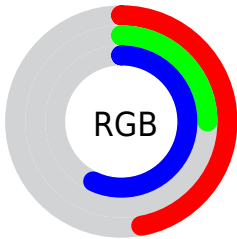
Format	Color
R _Y B	119, 63, 145
Decimal	7815057
CIE Lab	36.97, 38.83, -35.65
CIE LCh	37, 52.708, 317.444
Yxy	9.5213, 0.2794, 0.1835
Android (android.graphics.Color)	4286005137 (0xFF773F91)
YUV	89.0920, 27.5626, 26.2293
Hunter-Lab	30.8566, 29.8584, -31.9361

Details

The RYB color **119, 63, 145** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **63, 145, 119**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **173, 113, 199**, and **68, 13, 94** is the 20% darker color. If you saturate the color by 10%, you get **114, 48, 145**, and if you desaturate by 10%, it is **124, 78, 145**.

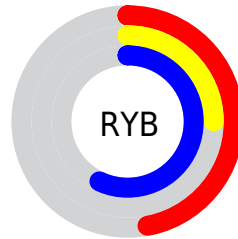
Distribution



Red (47%)

Green (25%)

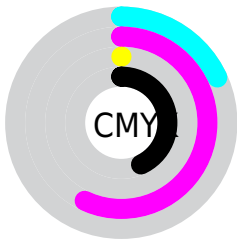
Blue (57%)



Red (47%)

Yellow (25%)

Blue (57%)

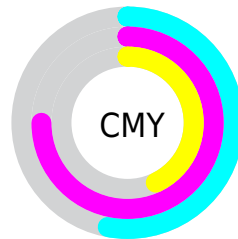


Cyan (18%)

Magenta (57%)

Yellow (0%)

Black (43%)



Cyan (53%)

Magenta (75%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 63, 145 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 119, 63, 145 by changing the saturation by 10% instead.



119, 63, 145



119, 63, 145

255, 255, 255



93, 39, 119



173, 113, 199



68, 13, 94



201, 139, 228



43, 0, 70



230, 166, 255



20, 0, 47



255, 194, 255



0, 1, 25



255, 222, 255



0, 0, 0



255, 251, 255



119, 63, 145



119, 63, 145



114, 48, 145



124, 78, 145

■ 110, 34, 145

■ 128, 92, 145

■ 105, 19, 145

■ 133, 107, 145

■ 101, 5, 145

■ 137, 121, 145

■ 99, 0, 145

■ 142, 136, 145

■ 145, 150, 148

■ 145, 164, 158

■ 145, 179, 168

■ 145, 193, 178

Harmonies

Analogous

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



38, 71, 169



119, 63, 145



153, 42, 107

Triad

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



119, 63, 145



62, 120, 0



0, 54, 111

Complementary

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



119, 63, 145



63, 145, 119

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, 64, 105



119, 63, 145



0, 93, 10

Square

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



119, 63, 145



148, 73, 24



22, 101, 98



0, 61, 149

Rectangle

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



119, 63, 145



161, 38, 78



22, 101, 98



0, 55, 106

Sweetspot

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



119, 63, 145



179, 157, 189



63, 83, 145



88, 75, 94



222, 222, 222



94, 94, 94

Same Dimension

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



119, 63, 145



148, 60, 189



145, 63, 131



69, 64, 71



92, 0, 135



5, 0, 8

Inverse Universe

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



145, 63, 89



189, 60, 101



63, 133, 145



71, 64, 67



135, 0, 43



8, 0, 2

Previews

White Background



This preview shows how the RYB color 119, 63, 145 looks on a white background.

Color Contrast Check

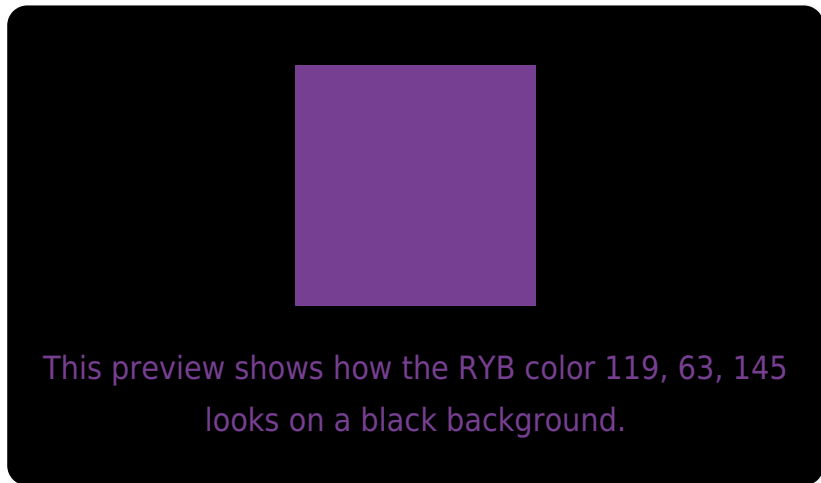
Large Text (above 18pt) WCAG AA ✓ Pass

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

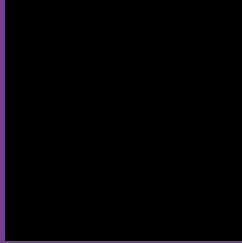
Any Text WCAG AA × Fail

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](#).

RYP 119, 63, 145 Background



This preview shows how black text looks on a background with the RYP color 119, 63, 145.

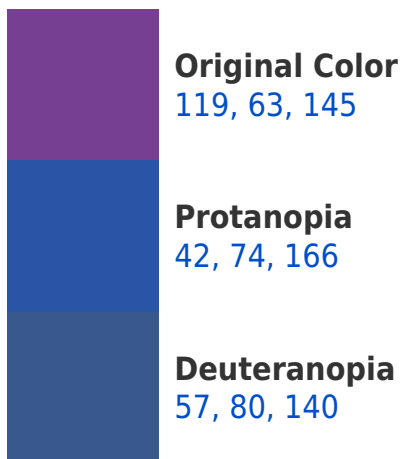


This preview shows how white text looks on a background with the RYP color 119, 63, 145.

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
110, 79, 85

Trichromacy



Original Color
119, 63, 145

Protanomaly
70, 76, 158

Deuteranomaly
80, 79, 142

Tritanomaly
113, 73, 107

Monochromacy



Original Color
119, 63, 145

Achromatopsia
89, 89, 89

Achromatomaly
100, 80, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 63, 145 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(119, 63, 145)` looks like.

```
.text, #text, p{  
    color:rgb(119, 63, 145)  
}
```

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(119, 63, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 63, 145) }
```

Border

The CSS property to change the border of an element to RYB 119, 63, 145 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(119, 63, 145) }
```

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

```
.border{ border-color:rgb(119, 63, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 63, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 63, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 63, 145); box-shadow:4px 4px 4px 4px rgb(119, 63, 145) }
```

Background

The CSS property to change the background color of an element to RYB 119, 63, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 63, 145) }
```

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

```
.background{ background-color: rgb(119, 63,  
145) }
```

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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