

Converting Colors

`RYB(123, 47, 157)`

Have a look what the booklet for
RYB(123, 47, 157) contains.

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Color

`RYB(123, 47, 157)`

Conversions

Conversions Part 1

Format	Color
Hex	7B2F9D
RGB	123, 47, 157
RGB Percent	48%, 18%, 62%
CMY	0.5176, 0.8157, 0.3843
CMYK	0.22, 0.70, 0.00, 0.38
HSL	281°, 54%, 40%
HSV	281°, 70%, 62%
XYZ	15.2707, 8.6783, 32.7685
YIQ	82.2640, 9.9860, 50.3220

Conversions

Conversions Part 2

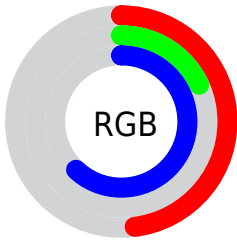
Format	Color
R_{YB}	123, 47, 157
Decimal	8073117
CIE _{Lab}	35.36, 50.45, -45.48
CIE _{LCh}	35, 67.924, 317.965
Yxy	8.6783, 0.2692, 0.1530
Android (android.graphics.Color)	4286263197 (0xFF7B2F9D)
YUV	82.2640, 36.8448, 35.7255
Hunter-Lab	29.4590, 40.9762, -45.3296

Details

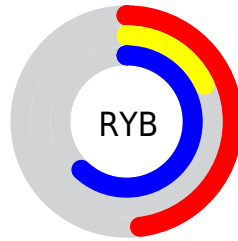
The RYB color **123, 47, 157** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **47, 157, 123**, and the grayscale version is **82, 82, 82**.

A 20% lighter version of the original color is **179, 99, 212**, and **69, 0, 105** is the 20% darker color. If you saturate the color by 10%, you get **118, 31, 157**, and if you desaturate by 10%, it is **128, 63, 157**.

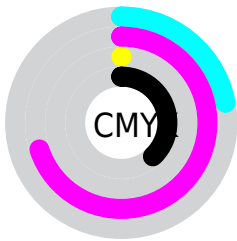
Distribution



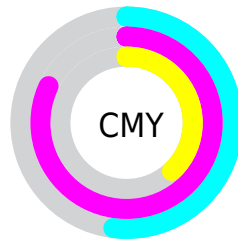
- Red (48%)
- Green (18%)
- Blue (62%)



- Red (48%)
- Yellow (18%)
- Blue (62%)



- Cyan (22%)
- Magenta (70%)
- Yellow (0%)
- Black (38%)



- Cyan (52%)
- Magenta (82%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 47, 157 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 123, 47, 157 by changing the saturation by 10% instead.



123, 47, 157



123, 47, 157

255, 255, 255



96, 18, 130



179, 99, 212



69, 0, 105



207, 126, 241



43, 0, 80



236, 153, 255



16, 0, 56



255, 180, 255



0, 2, 34



255, 209, 255



0, 0, 7



255, 238, 255



0, 0, 0



123, 47, 157



123, 47, 157



118, 31, 157



128, 63, 157

113, 16, 157

133, 78, 157

108, 0, 157

138, 94, 157

142, 110, 157

147, 126, 157

152, 141, 157

157, 157, 157

157, 173, 168

157, 188, 178

Harmonies

Analogous

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



0, 56, 188



123, 47, 157



166, 0, 107

Triad

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



123, 47, 157



77, 120, 0



0, 55, 115

Complementary

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



123, 47, 157



47, 157, 123

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, 66, 104



123, 47, 157



0, 91, 19

Square

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



123, 47, 157



156, 57, 0



0, 100, 100



0, 64, 164

Rectangle

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



123, 47, 157



174, 0, 71



0, 100, 100



0, 55, 105

Sweetspot

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



123, 47, 157



191, 161, 204



47, 74, 157



94, 77, 102



230, 230, 230



102, 102, 102

Same Dimension

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



123, 47, 157



151, 33, 204



157, 47, 137



77, 71, 79



99, 0, 143



11, 0, 15

Inverse Universe

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



157, 47, 81



204, 33, 86



47, 140, 157



79, 71, 74



143, 0, 44



15, 0, 5

Previews

White Background



This preview shows how the RYB color 123, 47, 157 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 123, 47, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

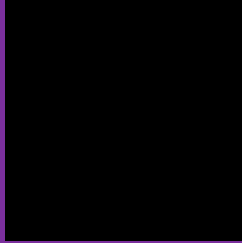
Any Text WCAG AA × Fail

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](#).

R Y B 123, 47, 157 Background



This preview shows how black text looks on a background with the R Y B color 123, 47, 157.

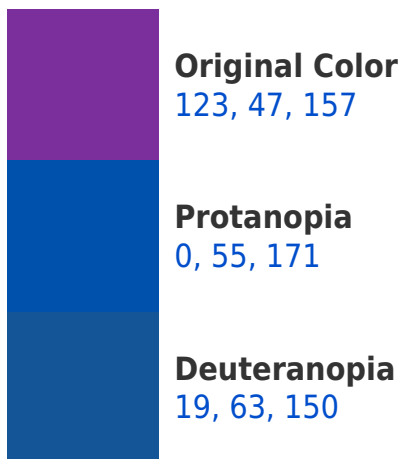


This preview shows how white text looks on a background with the R Y B color 123, 47, 157.

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
111, 73, 79

Trichromacy



Original Color
123, 47, 157

Protanomaly
45, 65, 166

Deuteranomaly
57, 69, 153

Tritanomaly
115, 64, 107

Monochromacy



Original Color
123, 47, 157

Achromatopsia
82, 82, 82

Achromatomaly
97, 69, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 47, 157 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(123, 47, 157)` looks like.

```
.text, #text, p{  
    color:rgb(123, 47, 157)  
}
```

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(123, 47, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 47, 157) }
```

Border

The CSS property to change the border of an element to RYB 123, 47, 157 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(123, 47, 157) }
```

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

```
.border{ border-color:rgb(123, 47, 157) }
```

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

Here you see how a box with a 4 pixel rgb(123, 47, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 47, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 47, 157);  
box-shadow:4px 4px 4px 4px rgb(123, 47,  
157) }
```

Background

The CSS property to change the background color of an element to RGB 123, 47, 157 is called "background".

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

```
.background, #background, body{  
background: rgb(123, 47, 157) }
```

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

```
.background{ background-color: rgb(123, 47,  
157) }
```

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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