

Converting Colors

`RYB(114, 47, 173)`

Have a look what the booklet for
RYB(114, 47, 173) contains.

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Color

R_YB(114, 47, 173)

Conversions

Conversions Part 1

Format	Color
Hex	722FAD
RGB	114, 47, 173
RGB Percent	45%, 18%, 68%
CMY	0.5529, 0.8157, 0.3216
CMYK	0.34, 0.73, 0.00, 0.32
HSL	272°, 57%, 43%
HSV	272°, 73%, 68%
XYZ	15.4988, 8.6276, 40.3836
YIQ	81.3970, -0.5140, 53.3900

Conversions

Conversions Part 2

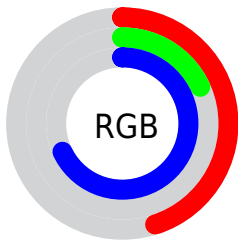
Format	Color
RYB	114, 47, 173
Decimal	7483309
CIELab	35.26, 52.23, -55.32
CIElCh	35, 76.081, 313.352
Yxy	8.6276, 0.2403, 0.1337
Android (android.graphics.Color)	4285673389 (0xFF722FAD)
YUV	81.3970, 45.1603, 28.5928
Hunter-Lab	29.3727, 42.7848, -60.9549

Details

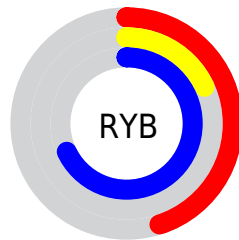
The RYB color **114, 47, 173** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **47, 173, 114**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **170, 99, 229**, and **58, 0, 120** is the 20% darker color. If you saturate the color by 10%, you get **106, 30, 173**, and if you desaturate by 10%, it is **122, 64, 173**.

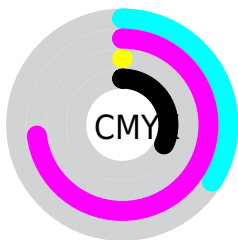
Distribution



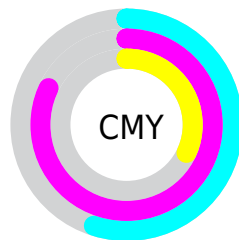
- Red (45%)
- Green (18%)
- Blue (68%)



- Red (45%)
- Yellow (18%)
- Blue (68%)



- Cyan (34%)
- Magenta (73%)
- Yellow (0%)
- Black (32%)



- Cyan (55%)
- Magenta (82%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 114, 47, 173 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 114, 47, 173 by changing the saturation by 10% instead.



114, 47, 173



114, 47, 173

255, 255, 255



86, 18, 146



170, 99, 229



58, 0, 120



199, 125, 255



28, 0, 94



228, 152, 255



0, 0, 70



255, 180, 255



0, 4, 46



255, 208, 255



0, 1, 24



255, 237, 255



0, 0, 0



114, 47, 173



114, 47, 173



106, 30, 173



122, 64, 173

98, 12, 173

130, 82, 173

92, 0, 173

138, 99, 173

146, 116, 173

155, 134, 173

163, 151, 173

171, 168, 173

173, 185, 179

173, 203, 189

Harmonies

Analogous

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



0, 59, 204



114, 47, 173



170, 0, 119

Triad

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



114, 47, 173



119, 129, 0



0, 54, 110

Complementary

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



114, 47, 173



47, 173, 114

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, 73, 104



114, 47, 173



0, 89, 12

Square

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



114, 47, 173



167, 23, 0



0, 100, 100



0, 65, 167

Rectangle

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



114, 47, 173



183, 0, 79



0, 100, 100



0, 58, 106

Sweetspot

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



114, 47, 173



201, 175, 224



47, 88, 173



99, 83, 112



240, 240, 240



112, 112, 112

Same Dimension

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



114, 47, 173



133, 29, 224



173, 47, 171



83, 78, 87



80, 0, 150



12, 0, 23

Inverse Universe

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



173, 47, 106



224, 29, 121



47, 171, 173



87, 78, 82



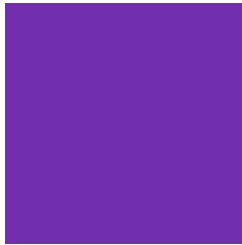
150, 0, 70



23, 0, 11

Previews

White Background



This preview shows how the RYB color 114, 47, 173 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 114, 47, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

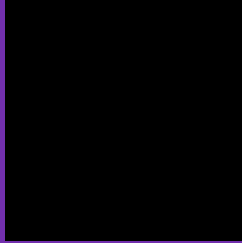
Any Text WCAG AA × Fail

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 114, 47, 173 Background



This preview shows how black text looks on a background with the RYB color 114, 47, 173.

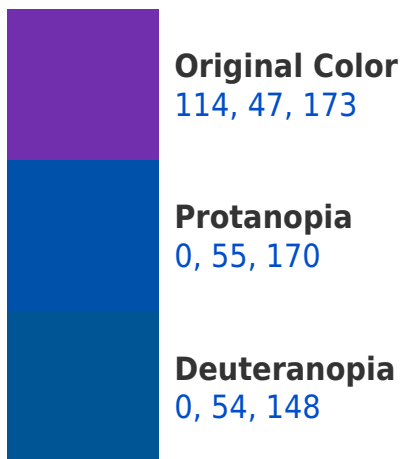


This preview shows how white text looks on a background with the RYB color 114, 47, 173.

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

97, 78, 84

Trichromacy



Original Color
114, 47, 173

Protanomaly
41, 64, 171

Deuteranomaly
41, 65, 157

Tritanomaly
103, 67, 116

Monochromacy



Original Color
114, 47, 173

Achromatopsia
81, 81, 81

Achromatomaly
93, 69, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 114, 47, 173 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(114, 47, 173)` looks like.

```
.text, #text, p{  
    color:rgb(114, 47, 173)  
}
```

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(114, 47, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 47, 173) }
```

Border

The CSS property to change the border of an element to RYB 114, 47, 173 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(114, 47, 173) }
```

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

```
.border{ border-color:rgb(114, 47, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 47, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 47, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 47, 173);  
box-shadow:4px 4px 4px 4px rgb(114, 47,  
173) }
```

Background

The CSS property to change the background color of an element to RGB 114, 47, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 47, 173) }
```

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

```
.background{ background-color: rgb(114, 47,  
173) }
```

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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