

Converting Colors

`RYB(115, 84, 222)`

Have a look what the booklet for
RYB(115, 84, 222) contains.

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Color

R_YB(115, 84, 222)

Conversions

Conversions Part 1

Format	Color
Hex	7354DE
RGB	115, 84, 222
RGB Percent	45%, 33%, 87%
CMY	0.5490, 0.6706, 0.1294
CMYK	0.48, 0.62, 0.00, 0.13
HSL	253°, 68%, 60%
HSV	253°, 62%, 87%
XYZ	23.4254, 15.2594, 70.8179
YIQ	109.0010, -25.8220, 49.4900

Conversions

Conversions Part 2

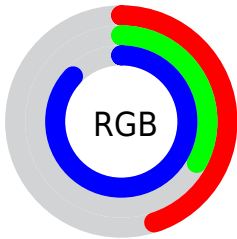
Format	Color
R _Y B	115, 84, 222
Decimal	7558366
CIE Lab	45.99, 46.30, -66.41
CIE LCh	46, 80.955, 304.884
Yxy	15.2594, 0.2139, 0.1394
Android (android.graphics.Color)	4285748446 (0xFF7354DE)
YUV	109.0010, 55.7085, 5.2611
Hunter-Lab	39.0633, 38.6816, -80.1427

Details

The RYB color **115, 84, 222** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **84, 222, 115**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **174, 135, 255**, and **52, 36, 166** is the 20% darker color. If you saturate the color by 10%, you get **98, 62, 222**, and if you desaturate by 10%, it is **132, 106, 222**.

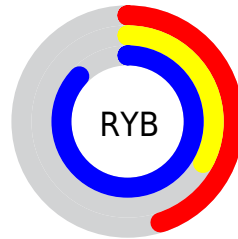
Distribution



Red (45%)

Green (33%)

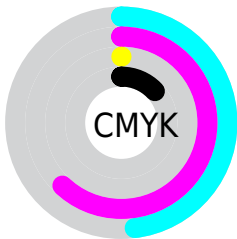
Blue (87%)



Red (45%)

Yellow (33%)

Blue (87%)

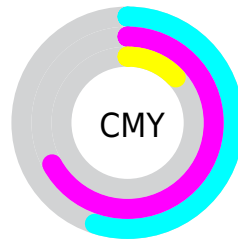


Cyan (48%)

Magenta (62%)

Yellow (0%)

Black (13%)



Cyan (55%)


















Magenta (67%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 115, 84, 222 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 115, 84, 222 by changing the saturation by 10% instead.

 115, 84, 222	 115, 84, 222
 255, 255, 255	 85, 60, 194
 174, 135, 255	 52, 36, 166
 203, 162, 255	 0, 10, 139
 233, 189, 255	 0, 0, 112
 255, 217, 255	 0, 0, 87
 255, 246, 255	 0, 5, 63
	 0, 3, 40
	 0, 1, 17
	 0, 0, 0

■ 115, 84, 222

■ 115, 84, 222

■ 98, 62, 222

■ 132, 106, 222

■ 81, 40, 222

■ 149, 128, 222

■ 63, 17, 222

■ 167, 151, 222

■ 50, 0, 222

■ 184, 173, 222

■ 201, 195, 222

■ 218, 217, 222

■ 222, 239, 226

■ 222, 255, 224

■ 222, 255, 222

Harmonies

Analogous

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



0, 78, 247



115, 84, 222



195, 28, 168

Triad

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



115, 84, 222



177, 153, 0



0, 73, 136

Complementary

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



115, 84, 222



84, 222, 115

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, 99, 133



115, 84, 222



16, 124, 0

Square

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



115, 84, 222



213, 31, 35



0, 126, 81



0, 79, 186

Rectangle

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



115, 84, 222



218, 0, 124



0, 126, 81



0, 79, 135

Sweetspot

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



115, 84, 222



217, 207, 255



84, 145, 222



105, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



115, 84, 222



107, 64, 255



183, 84, 222



104, 101, 112



40, 0, 176



11, 0, 48

Inverse Universe

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



222, 84, 191



255, 64, 212



84, 222, 183



112, 101, 110



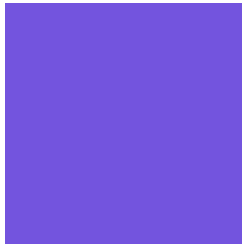
176, 0, 136



48, 0, 38

Previews

White Background



This preview shows how the RYB color 115, 84, 222 looks on a white background.

Color Contrast Check

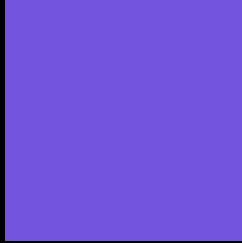
Large Text (above 18pt) WCAG AA ✓ Pass

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 115, 84, 222 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 115, 84, 222 Background



This preview shows how black text looks on a background with the RYB color 115, 84, 222.

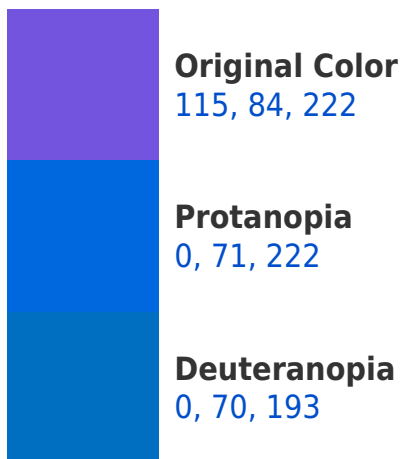


This preview shows how white text looks on a background with the RYB color 115, 84, 222.

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





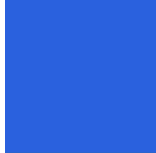
Tritanopia
87, 102, 122

Trichromacy



Original Color

115, 84, 222



Protanomaly

42, 84, 222



Deuteranomaly

42, 85, 204



Tritanomaly

97, 102, 158

Monochromacy



Original Color

115, 84, 222



Achromatopsia

109, 109, 109



Achromatomaly

111, 100, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 115, 84, 222 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(115, 84, 222)` looks like.

```
.text, #text, p{  
    color:rgb(115, 84, 222)  
}
```

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(115, 84, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 84, 222) }
```

Border

The CSS property to change the border of an element to RYB 115, 84, 222 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(115, 84, 222) }
```

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

```
.border{ border-color:rgb(115, 84, 222) }
```

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

Here you see how a box with a 4 pixel rgb(115, 84, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 84, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 84, 222);  
box-shadow:4px 4px 4px 4px rgb(115, 84,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 115, 84, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 84, 222) }
```

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

```
.background{ background-color: rgb(115, 84,  
222) }
```

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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