

Converting Colors

`RYB(107, 78, 221)`

Have a look what the booklet for
RYB(107, 78, 221) contains.

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Color

R_YB(107, 78, 221)

Conversions

Conversions Part 1

Format	Color
Hex	6B4EDD
RGB	107, 78, 221
RGB Percent	42%, 31%, 87%
CMY	0.5804, 0.6941, 0.1333
CMYK	0.52, 0.65, 0.00, 0.13
HSL	252°, 68%, 59%
HSV	252°, 65%, 87%
XYZ	21.8389, 13.7950, 69.9183
YIQ	102.9730, -28.6190, 50.6210

Conversions

Conversions Part 2

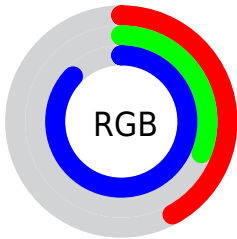
Format	Color
RYB	107, 78, 221
Decimal	7032541
CIELab	43.94, 47.89, -69.21
CIELCh	44, 84.162, 304.684
Yxy	13.7950, 0.2069, 0.1307
Android (android.graphics.Color)	4285222621 (0xFF6B4EDD)
YUV	102.9730, 58.1873, 3.5317
Hunter-Lab	37.1417, 39.9583, -85.6128

Details

The RYB color **107, 78, 221** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **78, 221, 107**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **167, 129, 255**, and **40, 30, 165** is the 20% darker color. If you saturate the color by 10%, you get **89, 56, 221**, and if you desaturate by 10%, it is **125, 100, 221**.

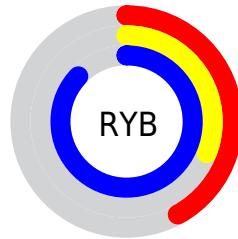
Distribution



Red (42%)

Green (31%)

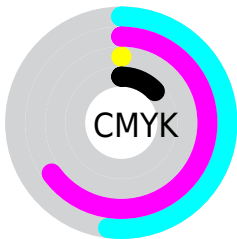
Blue (87%)



Red (42%)

Yellow (31%)

Blue (87%)

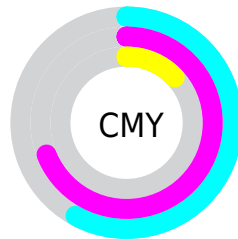


Cyan (52%)

Magenta (65%)

Yellow (0%)

Black (13%)



Cyan (58%)


















Magenta (69%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 78, 221 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 107, 78, 221 by changing the saturation by 10% instead.

 107, 78, 221	 107, 78, 221
 255, 255, 255	 76, 54, 193
 167, 129, 255	 40, 30, 165
 196, 155, 255	 0, 5, 138
 226, 183, 255	 0, 0, 111
 255, 211, 255	 0, 0, 86
 255, 239, 255	 0, 5, 62
	 0, 3, 39
	 0, 1, 16
	 0, 0, 0

■ 107, 78, 221

■ 107, 78, 221

■ 89, 56, 221

■ 125, 100, 221

■ 72, 34, 221

■ 142, 122, 221

■ 54, 12, 221

■ 160, 144, 221

■ 45, 0, 221

■ 177, 166, 221

■ 195, 189, 221

■ 213, 211, 221

■ 221, 233, 224

■ 221, 255, 228

■ 221, 255, 221

Harmonies

Analogous

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



0, 76, 246



107, 78, 221



192, 0, 165

Triad

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



107, 78, 221



173, 132, 0



0, 70, 131

Complementary

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



107, 78, 221



78, 221, 107

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, 128



107, 78, 221



15, 118, 0

Square

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



107, 78, 221



210, 3, 27



0, 121, 88



0, 76, 183

Rectangle

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



107, 78, 221



215, 0, 120



0, 121, 88



0, 77, 130

Sweetspot

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



107, 78, 221



216, 207, 255



78, 141, 221



104, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 78, 221



96, 56, 255



178, 78, 221



101, 99, 110



35, 0, 173



9, 0, 46

Inverse Universe

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



221, 78, 192



255, 56, 215



78, 221, 178



110, 99, 107



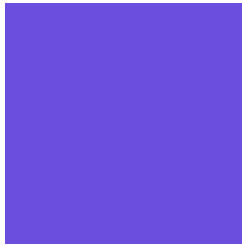
173, 0, 138



46, 0, 37

Previews

White Background



This preview shows how the RYB color 107, 78, 221 looks on a white background.

Color Contrast Check

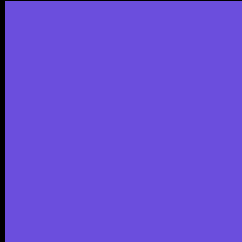
Large Text (above 18pt) WCAG AA ✓ Pass

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 107, 78, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

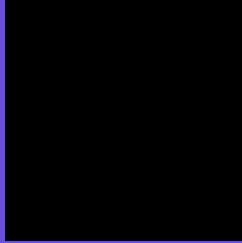
Any Text WCAG AA × Fail

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 107, 78, 221 Background



This preview shows how black text looks on a background with the RYB color 107, 78, 221.

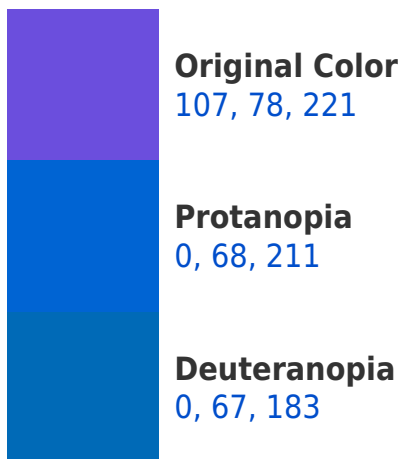


This preview shows how white text looks on a background with the RYB color 107, 78, 221.

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





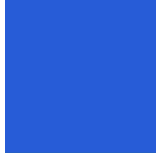
Tritanopia
75, 94, 118

Trichromacy



Original Color

107, 78, 221



Protanomaly

39, 80, 215



Deuteranomaly

39, 81, 197



Tritanomaly

87, 96, 155

Monochromacy



Original Color

107, 78, 221



Achromatopsia

103, 103, 103



Achromatomaly

104, 94, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 78, 221 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(107, 78, 221)` looks like.

```
.text, #text, p{  
    color:rgb(107, 78, 221)  
}
```

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(107, 78, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 78, 221) }
```

Border

The CSS property to change the border of an element to RYB 107, 78, 221 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(107, 78, 221) }
```

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

```
.border{ border-color:rgb(107, 78, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 78, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 78, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 78, 221);  
box-shadow:4px 4px 4px 4px rgb(107, 78,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 107, 78, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 78, 221) }
```

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

```
.background{ background-color: rgb(107, 78,  
221) }
```

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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