

Converting Colors

`RYB(192, 120, 234)`

Have a look what the booklet for
RYB(192, 120, 234) contains.

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Color

R_YB(192, 120, 234)

Conversions

Conversions Part 1

Format	Color
Hex	C078EA
RGB	192, 120, 234
RGB Percent	75%, 47%, 92%
CMY	0.2471, 0.5294, 0.0824
CMYK	0.18, 0.49, 0.00, 0.08
HSL	278°, 73%, 69%
HSV	278°, 49%, 92%
XYZ	43.3060, 30.5799, 81.4619
YIQ	154.5240, 6.3180, 50.7180

Conversions

Conversions Part 2

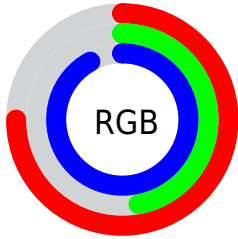
Format	Color
R_{YB}	192, 120, 234
Decimal	12613866
CIE _{Lab}	62.15, 47.89, -46.82
CIE _{LCh}	62, 66.971, 315.645
Yxy	30.5799, 0.2788, 0.1968
Android (android.graphics.Color)	4290803946 (0xFFC078EA)
YUV	154.5240, 39.1817, 32.8665
Hunter-Lab	55.2991, 43.0139, -48.6316

Details

The RYB color **192, 120, 234** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **120, 234, 192**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **250, 174, 255**, and **136, 68, 178** is the 20% darker color. If you saturate the color by 10%, you get **183, 97, 234**, and if you desaturate by 10%, it is **201, 143, 234**.

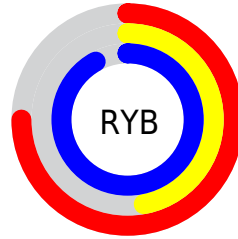
Distribution



Red (75%)

Green (47%)

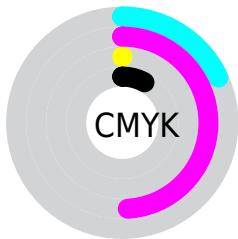
Blue (92%)



Red (75%)

Yellow (47%)

Blue (92%)

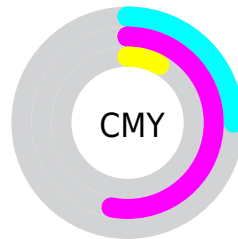


Cyan (18%)

Magenta (49%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (53%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 192, 120, 234 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 192, 120, 234 by changing the saturation by 10% instead.


 192, 120, 234

255, 255, 255

 250, 174, 255

 255, 202, 255


 255, 231, 255

 192, 120, 234


 164, 94, 205

 136, 68, 178

 109, 43, 151

 82, 14, 124

 55, 0, 99

 31, 0, 74

 0, 0, 51

 0, 2, 29

 0, 0, 0

192, 120, 234

192, 120, 234

183, 97, 234

201, 143, 234

175, 73, 234

209, 167, 234

166, 50, 234

218, 190, 234

158, 26, 234

226, 214, 234

149, 3, 234

234, 237, 236

148, 0, 234

234, 255, 245

234, 255, 237

234, 255, 234

Harmonies

Analogous

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



87, 131, 255



192, 120, 234



243, 95, 181

Triad

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



192, 120, 234



118, 203, 16



0, 90, 181

Complementary

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



192, 120, 234



120, 234, 192

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, 105, 176



192, 120, 234



4, 157, 11

Square

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



192, 120, 234



241, 128, 67



60, 170, 151



0, 100, 234

Rectangle

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



192, 120, 234



255, 90, 141



60, 170, 151



0, 94, 178

Sweetspot

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



192, 120, 234



241, 217, 255



120, 152, 234



119, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



192, 120, 234



201, 107, 255



234, 120, 221



113, 106, 117



114, 0, 181



34, 0, 54

Inverse Universe

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



234, 120, 162



255, 107, 162



120, 222, 234



117, 106, 110



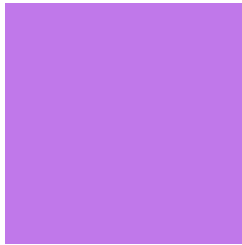
181, 0, 67



54, 0, 20

Previews

White Background



This preview shows how the RYB color 192, 120, 234 looks on a white background.

Color Contrast Check

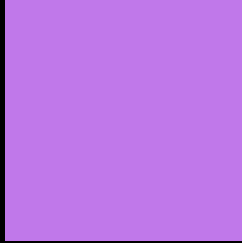
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 192, 120, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

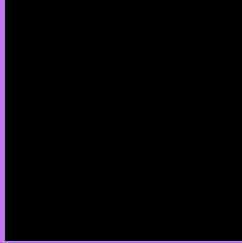
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 192, 120, 234 Background



This preview shows how black text looks on a background with the RYB color 192, 120, 234.

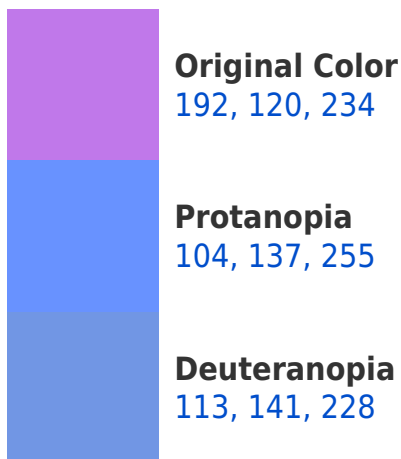



This preview shows how white text looks on a background with the RYB color 192, 120, 234.

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
179, 140, 151

Trichromacy



Original Color
192, 120, 234



Protanomaly
136, 137, 247



Deuteranomaly
142, 139, 230



Tritanomaly
184, 133, 181

Monochromacy



Original Color
192, 120, 234



Achromatopsia
155, 155, 155



Achromatomaly
168, 142, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 192, 120, 234 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(192, 120, 234)` looks like.

```
.text, #text, p{  
    color:rgb(192, 120, 234)  
}
```

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(192, 120, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 120, 234) }
```

Border

The CSS property to change the border of an element to RYB 192, 120, 234 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(192, 120, 234) }
```

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

```
.border{ border-color:rgb(192, 120, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 120, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 120, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 120, 234);  
box-shadow:4px 4px 4px 4px rgb(192, 120,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 192, 120, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 120, 234) }
```

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

```
.background{ background-color: rgb(192,  
120, 234) }
```

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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