Converting Colors

RYB(120, 64, 222)

Have a look what the booklet for RYB(120, 64, 222) contains.

Color

RYB(120, 64, 222)

Conversions

Conversions Part 1

Format	Color
Hex	7840DE
RGB	120, 64, 222
RGB Percent	47%, 25%, 87%
CMY	0.5294, 0.7490, 0.1294
CMYK	0.46, 0.71, 0.00, 0.13
HSL	261°, 71%, 56%
HSV	261°, 71%, 87%
XYZ	22.7639, 12.9338, 70.4039
YIQ	98.7560, -17.3420, 61.0100

Conversions

Conversions Part 2

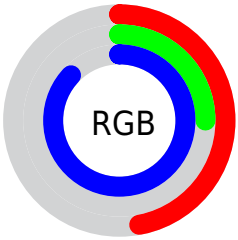
Format	Color
RYB	120, 64, 222
Decimal	7880926
CIELab	42.66, 57.65, -71.80
CIELCh	43, 92.081, 308.761
Yxy	12.9338, 0.2145, 0.1219
Android (android.graphics.Color)	4286071006 (0xFF7840DE)
YUV	98.7560, 60.7593, 18.6310
Hunter-Lab	35.9636, 50.0493, -90.8943

Details

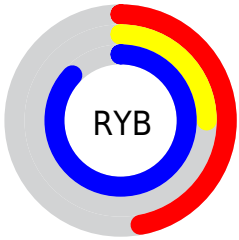
The RYB color 120, 64, 222 is a dark color, and the websafe version is hex 6633CC. The color can be described as middle muted purple. A complement of this color would be 64, 222, 120, and the grayscale version is 98, 98, 98.

A 20% lighter version of the original color is 179, 116, 255, and 57, 4, 166 is the 20% darker color. If you saturate the color by 10%, you get 106, 42, 222, and if you desaturate by 10%, it is 134, 86, 222.

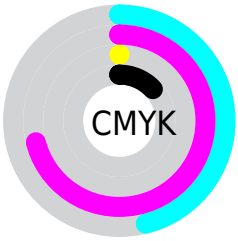
Distribution



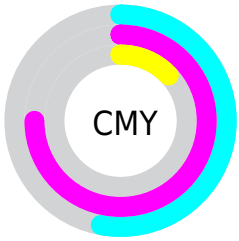
- Red (47%)
- Green (25%)
- Blue (87%)



- Red (47%)
- Yellow (25%)
- Blue (87%)



- Cyan (46%)
- Magenta (71%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (75%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 64, 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 120, 64, 222 by changing the saturation by 10% instead.

120, 64, 222	120, 64, 222
255, 255, 255	90, 38, 193
179, 116, 255	57, 4, 166
209, 143, 255	8, 0, 138
240, 170, 255	0, 0, 112
255, 198, 255	0, 0, 87
255, 227, 255	0, 5, 62
	0, 3, 39
	0, 1, 17
	0, 0, 0

120, 64, 222

106, 42, 222

91, 20, 222

79, 0, 222

120, 64, 222

134, 86, 222

149, 108, 222

163, 131, 222

177, 153, 222

192, 175, 222

206, 197, 222

220, 219, 222

222, 242, 229

222, 255, 228

Harmonies

Analogous

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

0, 74, 255

120, 64, 222

202, 0, 158

Triad

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

120, 64, 222

166, 137, 0

0, 66, 129

Complementary

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

120, 64, 222

64, 222, 120

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, 96, 126

120, 64, 222

0, 105, 2

Square

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

120, 64, 222

209, 0, 0

0, 120, 120

0, 78, 196

Rectangle

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

120, 64, 222

223, 0, 108

0, 120, 120

0, 73, 128

Sweetspot

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

120, 64, 222

220, 201, 255

64, 126, 222

107, 96, 128

0, 0, 0

128, 128, 128

Same Dimension

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

120, 64, 222

115, 38, 255

198, 64, 222

105, 101, 112

62, 0, 176

17, 0, 48

Inverse Universe

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

222, 64, 166

255, 38, 178

64, 222, 198

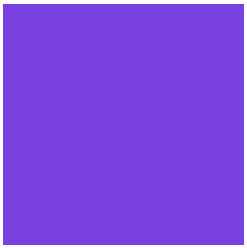
112, 101, 108

176, 0, 114

48, 0, 31

Previews

White Background

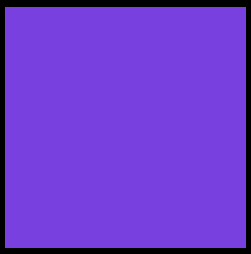


This preview shows how the RYB color 120, 64, 222 looks on a white background.

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



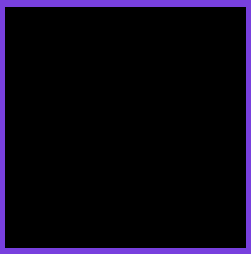
This preview shows how the RYB color 120, 64, 222 looks on a black background.

Color Contrast Check

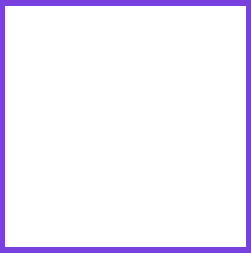
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 120, 64, 222 Background



This preview shows how black text looks on a background with the RYB color 120, 64, 222.

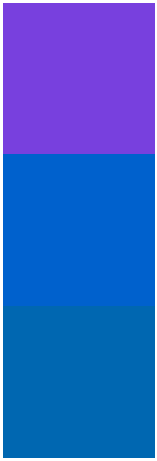


This preview shows how white text looks on a background with the RYB color 120, 64, 222.

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



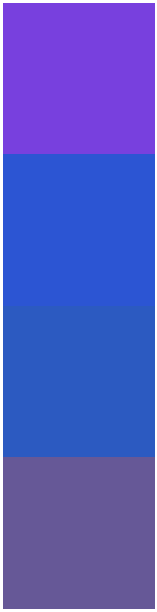
Original Color
120, 64, 222

Protanopia
0, 66, 205

Deuteranopia
0, 65, 177

Tritanopia
91, 98, 110

Trichromacy



Original Color
120, 64, 222

Protanomaly
44, 77, 211

Deuteranomaly
44, 79, 193

Tritanomaly
102, 88, 151

Monochromacy

Original Color
120, 64, 222

Achromatopsia
99, 99, 99

Achromatomaly
107, 86, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 64, 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(120, 64, 222) looks like.

```
.text, #text, p{
    color:rgb(120, 64, 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(120, 64, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 64, 222) }
```

Border

The CSS property to change the border of an element to RYB 120, 64, 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(120, 64, 222) }
```

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

```
.border{ border-color:rgb(120, 64, 222) }
```

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

Here you see how a box with a 4 pixel rgb(120, 64, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 64, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 64, 222); box-shadow:4px 4px 4px 4px rgb(120, 64, 222) }
```

Background

The CSS property to change the background color of an element to RYB 120, 64, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(120, 64, 222) }
```

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

```
.background{ background-color:rgb(120, 64,
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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