Converting Colors

RGB(118, 70, 162)

Have a look what the booklet for RGB(118, 70, 162) contains.

Color

RGB(118, 70, 162)

Conversions

Format	Color
Hex	7646A2
RGB	118, 70, 162
RGB Percent	46%, 27%, 64%
CMY	0.5373, 0.7255, 0.3647
CMYK	0.27, 0.57, 0.00, 0.36
HSL	271°, 40%, 45%
HSV	271°, 57%, 64%
XYZ	16.1830, 10.8405, 35.4219
YIQ	94.8400, -0.9240, 38.7880

Conversions Part 1

Conversions

Conversions Part 2

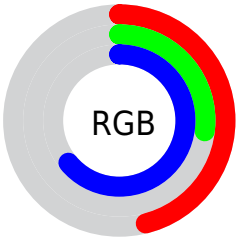
Format	Color
RYB	118, 70, 162
Decimal	7751330
CIELab	39.31, 38.72, -42.19
CIELCh	39, 57.263, 312.543
Yxy	10.8405, 0.2592, 0.1736
Android (android.graphics.Color)	4285941410 (0xFF7646A2)
YUV	94.8400, 33.1099, 20.3113
Hunter-Lab	32.9249, 30.1161, -40.7390

Details

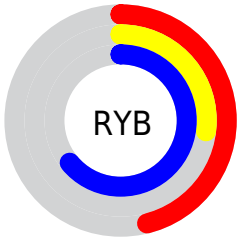
The RGB color 118, 70, 162 is a dark color, and the websafe version is hex 663399. A complement of this color would be 114, 162, 70, and the grayscale version is 95, 95, 95.

A 20% lighter version of the original color is 173, 120, 217, and 66, 22, 110 is the 20% darker color. If you saturate the color by 10%, you get 110, 54, 162, and if you desaturate by 10%, it is 126, 86, 162.

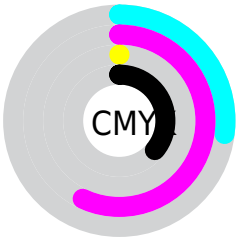
Distribution



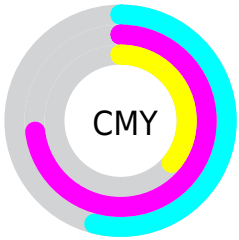
- Red (46%)
- Green (27%)
- Blue (64%)



- Red (46%)
- Yellow (27%)
- Blue (64%)



- Cyan (27%)
- Magenta (57%)
- Yellow (0%)
- Black (36%)



- Cyan (54%)
- Magenta (73%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RGB color 118, 70, 162 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 RGB color 118, 70, 162 by changing the saturation by 10% instead.

118, 70, 162	118, 70, 162
255, 255, 255	92, 46, 135
173, 120, 217	66, 22, 110
201, 147, 246	39, 0, 85
230, 174, 255	19, 0, 61
255, 201, 255	0, 3, 38
255, 230, 255	0, 1, 15
	0, 0, 0

118, 70, 162	118, 70, 162
110, 54, 162	126, 86, 162

103, 38, 162

95, 21, 162

87, 5, 162

85, 0, 162

133, 102, 162

141, 119, 162

149, 135, 162

157, 151, 162

164, 167, 162

172, 183, 162

180, 200, 162

188, 216, 162

Harmonies

Analogous

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

0, 92, 185

118, 70, 162

161, 45, 122

Triad

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

118, 70, 162

134, 80, 0

0, 113, 112

Complementary

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

118, 70, 162

114, 162, 70

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, 111, 63

118, 70, 162

95, 97, 0

Square

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

118, 70, 162

163, 58, 31

38, 106, 10

0, 112, 155

Rectangle

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

118, 70, 162

173, 36, 91

38, 106, 10

0, 113, 95

Sweetspot

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

118, 70, 162

194, 176, 212

70, 114, 162

97, 86, 107

235, 235, 235

107, 107, 107

Same Dimension

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

118, 70, 162

143, 68, 212

162, 70, 160

78, 73, 82

76, 0, 145

9, 0, 18

Inverse Universe

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

162, 70, 114

212, 68, 137

70, 162, 72

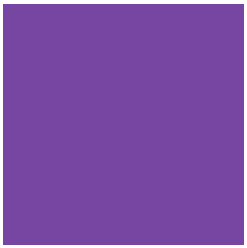
82, 73, 77

145, 0, 70

18, 0, 9

Previews

White Background

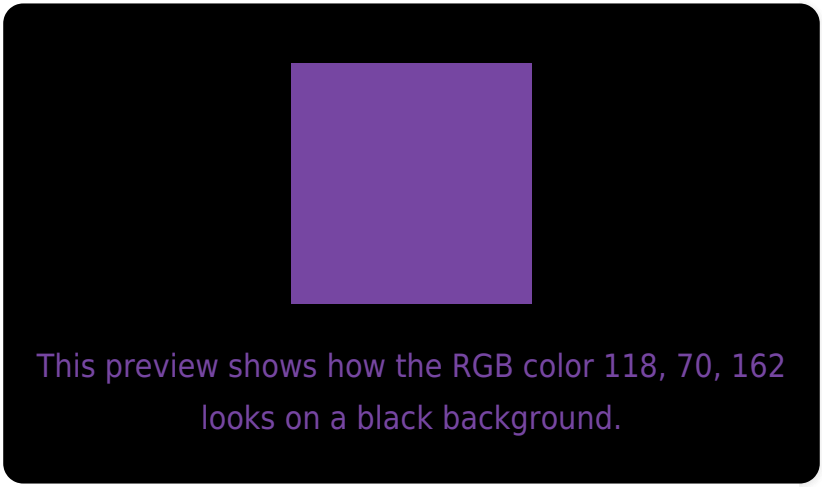


This preview shows how the RGB color 118, 70, 162 looks on a white background.

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

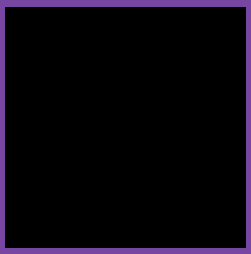


Color Contrast Check

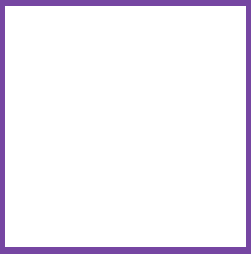
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RGB 118, 70, 162 Background



This preview shows how black text looks on a background with the RGB color 118, 70, 162.



This preview shows how white text looks on a background with the RGB color 118, 70, 162.

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

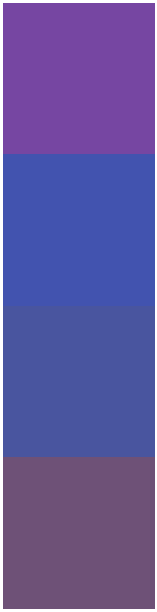
Original Color
118, 70, 162

Protanopia
36, 90, 182

Deuteranopia
47, 94, 157

Tritanopia
106, 88, 95

Trichromacy



Original Color
118, 70, 162

Protanomaly
66, 83, 175

Deuteranomaly
73, 85, 159

Tritanomaly
110, 81, 119

Monochromacy

Original Color
118, 70, 162

Achromatopsia
95, 95, 95

Achromatomaly
103, 86, 119

CSS Examples

Text

The CSS property to change the color of the text to RGB 118, 70, 162 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(118, 70, 162) looks like.

```
.text, #text, p{
    color:rgb(118, 70, 162)
}
```

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(118, 70, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 70, 162) }
```

Border

The CSS property to change the border of an element to RGB 118, 70, 162 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(118, 70, 162) }
```

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

```
.border{ border-color:rgb(118, 70, 162) }
```

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

Here you see how a box with a 4 pixel rgb(118, 70, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 70, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 70, 162); box-shadow:4px 4px 4px 4px rgb(118, 70, 162) }
```

Background

The CSS property to change the background color of an element to RGB 118, 70, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(118, 70, 162) }
```

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

```
.background{ background-color:rgb(118, 70,
162) }
```

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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