

Converting Colors

`RYB(120, 117, 184)`

Have a look what the booklet for
RYB(120, 117, 184) contains.

RYB(120, 117, 184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(120, 117, 184)

Conversions

Conversions Part 1

Format	Color
Hex	7875B8
RGB	120, 117, 184
RGB Percent	47%, 46%, 72%
CMY	0.5294, 0.5412, 0.2784
CMYK	0.35, 0.36, 0.00, 0.28
HSL	243°, 32%, 59%
HSV	243°, 36%, 72%
XYZ	22.7587, 20.1763, 48.0423
YIQ	125.5350, -19.7190, 21.4730

Conversions

Conversions Part 2

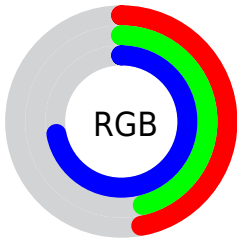
Format	Color
R _Y B	120, 117, 184
Decimal	7894456
CIE Lab	52.04, 17.23, -34.96
CIE LCh	52, 38.970, 296.233
Yxy	20.1763, 0.2502, 0.2218
Android (android.graphics.Color)	4286084536 (0xFF7875B8)
YUV	125.5350, 28.8232, -4.8542
Hunter-Lab	44.9181, 11.8344, -31.9712

Details

The RYB color **120, 117, 184** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **117, 184, 120**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **174, 169, 240**, and **68, 69, 131** is the 20% darker color. If you saturate the color by 10%, you get **102, 99, 184**, and if you desaturate by 10%, it is **138, 135, 184**.

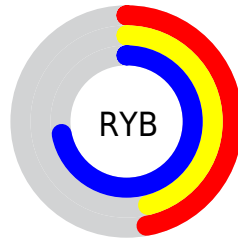
Distribution



Red (47%)

Green (46%)

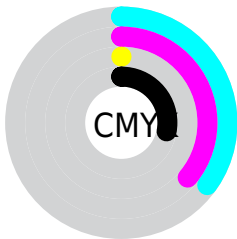
Blue (72%)



Red (47%)

Yellow (46%)

Blue (72%)

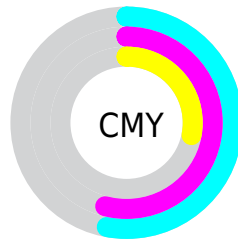


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (54%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 117, 184 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, 117, 184 by changing the saturation by 10% instead.

■ 120, 117, 184

255, 255, 255

■ 174, 169, 240

■ 202, 196, 255

■ 231, 224, 255

■ 255, 253, 255

■ 120, 117, 184

■ 94, 92, 157

■ 68, 69, 131

■ 42, 47, 105

■ 13, 24, 81

■ 0, 0, 57

■ 0, 2, 35

■ 0, 0, 10

■ 0, 0, 0

■ 120, 117, 184

■ 120, 117, 184

■ 102, 99, 184

■ 138, 135, 184

■ 85, 80, 184

■ 155, 154, 184

■ 67, 62, 184

■ 173, 172, 184

■ 50, 43, 184

■ 184, 191, 185

■ 32, 25, 184

■ 184, 209, 185

■ 15, 7, 184

■ 184, 227, 186

■ 8, 0, 184

■ 184, 246, 187

■ 184, 255, 184

Harmonies

Analogous

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



54, 102, 190



120, 117, 184



161, 104, 162

Triad

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



120, 117, 184



173, 134, 69



0, 76, 141

Complementary

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



120, 117, 184



117, 184, 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.



74, 128, 138



120, 117, 184



94, 148, 56

Square

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



120, 117, 184



186, 99, 96



62, 131, 78



0, 73, 153

Rectangle

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



120, 117, 184



178, 98, 141



62, 131, 78



33, 96, 140

Sweetspot

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



120, 117, 184



215, 213, 240



117, 150, 184



105, 104, 120



247, 247, 247



120, 120, 120

Same Dimension

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



120, 117, 184



139, 134, 240



153, 117, 184



83, 83, 92



7, 0, 156



1, 0, 28

Inverse Universe

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



184, 117, 181



240, 134, 235



117, 184, 153



92, 83, 91



156, 0, 149



28, 0, 27

Previews

White Background



This preview shows how the RYB color 120, 117, 184 looks on a white background.

Color Contrast Check

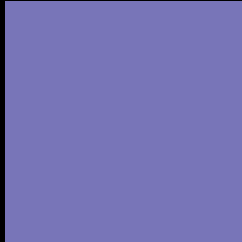
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 120, 117, 184 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 × Fail

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

RYB 120, 117, 184 Background



This preview shows how black text looks on a background with the RYB color 120, 117, 184.

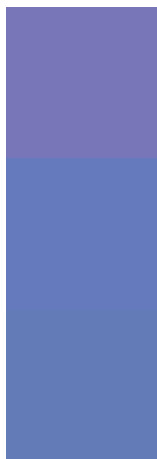


This preview shows how white text looks on a background with the RYB color 120, 117, 184.

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

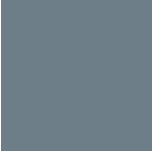
120, 117, 184

Protanopia

101, 118, 188

Deuteranopia

99, 118, 183



Tritanopia
110, 120, 137

Trichromacy



Original Color
120, 117, 184

Protanomaly
108, 118, 187

Deuteranomaly
107, 119, 183

Tritanomaly
114, 121, 154

Monochromacy



Original Color
120, 117, 184

Achromatopsia
126, 126, 126

Achromatomaly
124, 123, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 117, 184 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, 117, 184)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 184)  
}
```

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, 117, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 184) }
```

Border

The CSS property to change the border of an element to RYB 120, 117, 184 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, 117, 184) }
```

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

```
.border{ border-color:rgb(120, 117, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 117, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 117, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 117, 184); box-shadow:4px 4px 4px 4px rgb(120, 117, 184) }
```

Background

The CSS property to change the background color of an element to RYB 120, 117, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 184) }
```

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

```
.background{ background-color: rgb(120,  
117, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor