

Converting Colors

`RYB(118, 107, 125)`

Have a look what the booklet for
RYB(118, 107, 125) contains.

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Color

R_YB(118, 107, 125)

Conversions

Conversions Part 1

Format	Color
Hex	766B7D
RGB	118, 107, 125
RGB Percent	46%, 42%, 49%
CMY	0.5373, 0.5804, 0.5098
CMYK	0.06, 0.14, 0.00, 0.51
HSL	277°, 8%, 45%
HSV	277°, 14%, 49%
XYZ	16.4306, 15.8476, 21.5949
YIQ	112.3410, 0.7780, 7.9300

Conversions

Conversions Part 2

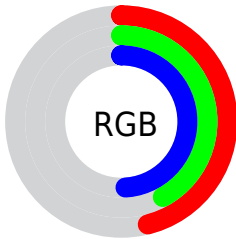
Format	Color
R_{YB}	118, 107, 125
Decimal	7760765
CIE Lab	46.77, 7.95, -8.40
CIE LCh	47, 11.571, 313.427
Yxy	15.8476, 0.3050, 0.2942
Android (android.graphics.Color)	4285950845 (0xFF766B7D)
YUV	112.3410, 6.2409, 4.9629
Hunter-Lab	39.8091, 4.0073, -4.2963

Details

The RYB color **118, 107, 125** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **107, 125, 118**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **170, 158, 178**, and **70, 60, 76** is the 20% darker color. If you saturate the color by 10%, you get **113, 95, 125**, and if you desaturate by 10%, it is **123, 120, 125**.

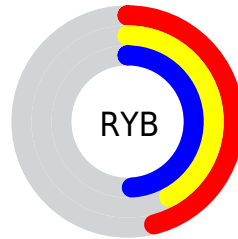
Distribution



Red (46%)

Green (42%)

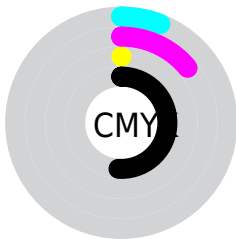
Blue (49%)



Red (46%)

Yellow (42%)

Blue (49%)

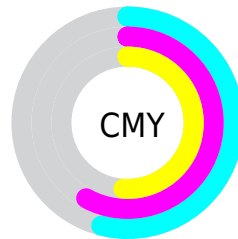


Cyan (6%)

Magenta (14%)

Yellow (0%)

Black (51%)



Cyan (54%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 107, 125 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 118, 107, 125 by changing the saturation by 10% instead.

■ 118, 107, 125

255, 255, 255

■ 170, 158, 178

■ 197, 185, 205

■ 225, 213, 233

■ 254, 241, 255

■ 118, 107, 125

■ 93, 83, 100

■ 70, 60, 76

■ 47, 38, 53

■ 26, 18, 32

■ 0, 0, 7

■ 0, 0, 0

■ 118, 107, 125

■ 113, 95, 125

■ 108, 82, 125

■ 118, 107, 125

■ 123, 120, 125

■ 125, 132, 129

103, 70, 125

125, 145, 137

99, 57, 125

125, 157, 145

94, 45, 125

125, 170, 153

89, 32, 125

125, 182, 160

84, 20, 125

125, 195, 168

79, 7, 125

125, 207, 175

76, 0, 125

125, 220, 183

Harmonies

Analogous

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



106, 109, 130



118, 107, 125



127, 105, 117

Triad

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



118, 107, 125



124, 122, 93



86, 102, 117

Complementary

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



118, 107, 125



107, 125, 118

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.



93, 108, 116



118, 107, 125



94, 114, 92

Square

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



118, 107, 125



130, 109, 98



97, 114, 108



86, 103, 124

Rectangle

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



118, 107, 125



131, 104, 110



97, 114, 108



88, 104, 117

Sweetspot

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



118, 107, 125



161, 157, 163



107, 112, 125



80, 78, 82



209, 209, 209



82, 82, 82

Same Dimension

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



118, 107, 125



152, 135, 163



125, 107, 123



61, 57, 64



78, 0, 128



0, 0, 0

Inverse Universe

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



125, 107, 114



163, 135, 146



107, 123, 125



64, 57, 60



128, 0, 50



0, 0, 0

Previews

White Background



This preview shows how the RYB color 118, 107, 125 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 118, 107, 125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

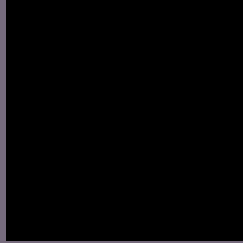
Any Text WCAG AA × Fail

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](#).

R Y B 118, 107, 125 Background



This preview shows how black text looks on a background with the R Y B color 118, 107, 125.



This preview shows how white text looks on a background with the R Y B color 118, 107, 125.

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

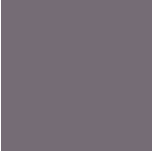
118, 107, 125

Protanopia

108, 110, 127

Deuteranopia

115, 108, 125



Tritanopia
117, 108, 117

Trichromacy



Original Color

118, 107, 125

Protanomaly

112, 109, 126

Deuteranomaly

116, 108, 125

Tritanomaly

117, 108, 120

Monochromacy



Original Color

118, 107, 125

Achromatopsia

112, 112, 112

Achromatomaly

114, 110, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 107, 125 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, 107, 125) looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 125)  
}
```

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, 107, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 125) }
```

Border

The CSS property to change the border of an element to RYB 118, 107, 125 is called "border". The border property can be set on classes, ids or directly on the HTML element.

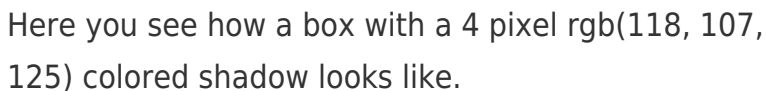
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 107, 125) }
```

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

```
.border{ border-color:rgb(118, 107, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 107, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 125);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
125) }
```

Background

The CSS property to change the background color of an element to RYB 118, 107, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 125) }
```

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

```
.background{ background-color: rgb(118,  
107, 125) }
```

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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