

Converting Colors

`RYB(123, 117, 118)`

Have a look what the booklet for
RYB(123, 117, 118) contains.

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Color

R_{YB}(123, 117, 118)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 7B7576 |
| RGB | 123, 117, 118 |
| RGB Percent | 48%, 46%, 46% |
| CMY | 0.5176, 0.5412, 0.5373 |
| CMYK | 0.00, 0.05, 0.04, 0.52 |
| HSL | 350°, 3%, 47% |
| HSV | 350°, 5%, 48% |
| XYZ | 17.7997, 18.2415, 19.7224 |
| YIQ | 118.9080, 3.2550, 1.5830 |

Conversions

Conversions Part 2

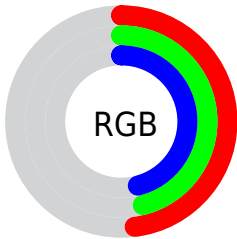
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 123, 117, 118 |
| Decimal | 8090998 |
| CIE _{Lab} | 49.79, 2.49, 0.27 |
| CIE _{LCh} | 50, 2.509, 6.093 |
| Yxy | 18.2415, 0.3192, 0.3271 |
| Android (android.graphics.Color) | 4286281078 (0xFF7B7576) |
| YUV | 118.9080, -0.4476, 3.5887 |
| Hunter-Lab | 42.7101, -0.3518, 2.5186 |

Details

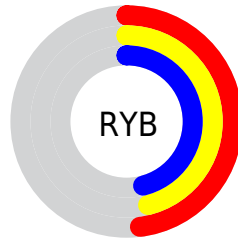
The RYB color **123, 117, 118** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **117, 120, 123**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **175, 169, 170**, and **74, 69, 70** is the 20% darker color. If you saturate the color by 10%, you get **123, 105, 108**, and if you desaturate by 10%, it is **123, 126, 129**.

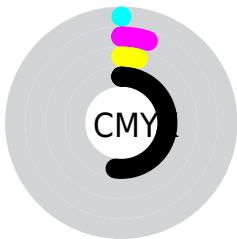
Distribution



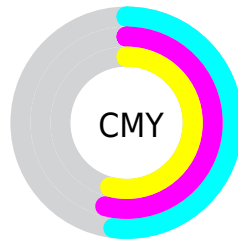
- Red (48%)
- Green (46%)
- Blue (46%)



- Red (48%)
- Yellow (46%)
- Blue (46%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 117, 118 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 123, 117, 118 by changing the saturation by 10% instead.

■ 123, 117, 118

255, 255, 255

■ 175, 169, 170

■ 203, 196, 197

■ 231, 224, 225

■ 255, 253, 254

■ 123, 117, 118

■ 98, 92, 93

■ 74, 69, 70

■ 52, 47, 48

■ 31, 26, 27

■ 4, 0, 0

■ 0, 0, 0

■ 123, 117, 118

■ 123, 105, 108

■ 123, 92, 98

■ 123, 117, 118


■ 123, 126, 129

■ 123, 134, 142


 123, 80, 87

 123, 140, 154


 123, 68, 77

 123, 146, 166

 123, 55, 67

 123, 154, 179


 123, 43, 57

 123, 160, 191

 123, 31, 46

 123, 167, 203

 123, 19, 36

 123, 173, 215

 123, 6, 26

 123, 180, 228

Harmonies

Analogous

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



122, 117, 120



123, 117, 118



123, 117, 116

Triad

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



123, 117, 118



115, 119, 117



115, 118, 122

Complementary

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



123, 117, 118



117, 120, 123

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.



113, 117, 121



123, 117, 118



115, 119, 120

Square

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



123, 117, 118



117, 120, 114



114, 117, 120



117, 118, 123

Rectangle

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



123, 117, 118



122, 118, 115



114, 117, 120



114, 117, 122

Sweetspot

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



123, 117, 118



161, 159, 159



122, 117, 123



82, 81, 81



209, 209, 209



82, 82, 82

Same Dimension

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



123, 117, 118



161, 151, 153



123, 120, 117



61, 57, 58



125, 0, 21



252, 0, 42

Inverse Universe

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



123, 117, 118



161, 151, 153



117, 119, 123



61, 57, 58



125, 0, 21



252, 0, 42

Previews

White Background



This preview shows how the RYB color 123, 117, 118 looks on a white background.

Color Contrast Check

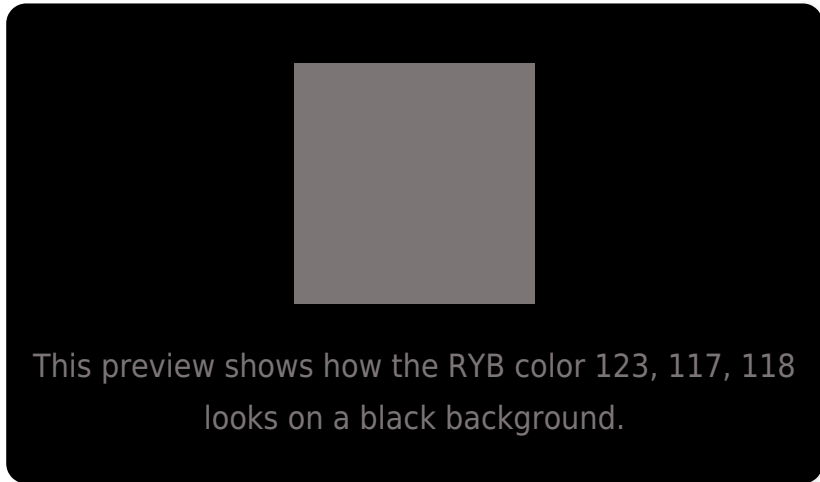
Large Text (above 18pt) WCAG AA ✓ Pass

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

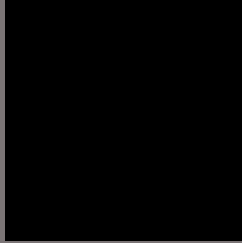
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

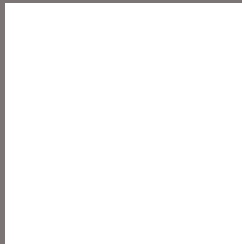
Any Text WCAG AAA × Fail

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

RYB 123, 117, 118 Background



This preview shows how black text looks on a background with the RYB color 123, 117, 118.

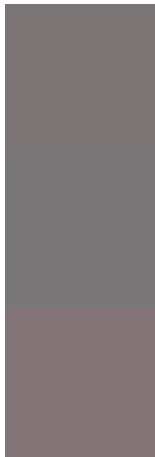


This preview shows how white text looks on a background with the RYB color 123, 117, 118.

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
[123](#), [117](#), [118](#)

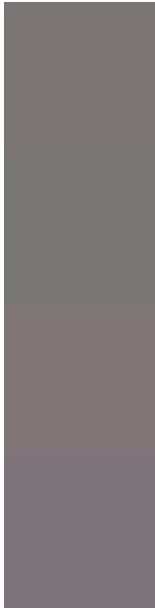
Protanopia
[120](#), [118](#), [118](#)

Deuteranopia
[130](#), [115](#), [118](#)



Tritanopia
124, 116, 125

Trichromacy



Original Color

123, 117, 118

Protanomaly

121, 118, 118

Deuteranomaly

127, 116, 118

Tritanomaly

124, 116, 122

Monochromacy



Original Color

123, 117, 118

Achromatopsia

119, 119, 119

Achromatomaly

120, 118, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 117, 118 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(123, 117, 118)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 118)  
}
```

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(123, 117, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 118) }
```

Border

The CSS property to change the border of an element to RYB 123, 117, 118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

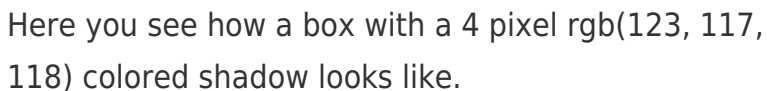
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 117, 118) }
```

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

```
.border{ border-color:rgb(123, 117, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(123, 117, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 117, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 117, 118); box-shadow:4px 4px 4px 4px rgb(123, 117, 118) }
```

Background

The CSS property to change the background color of an element to RYB 123, 117, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 118) }
```

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

```
.background{ background-color: rgb(123,  
117, 118) }
```

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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