

Converting Colors

`RYB(127, 117, 158)`

Have a look what the booklet for
RYB(127, 117, 158) contains.

RYB(127, 117, 158)	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(127, 117, 158)

Conversions

Conversions Part 1

Format	Color
Hex	7F759E
RGB	127, 117, 158
RGB Percent	50%, 46%, 62%
CMY	0.5020, 0.5412, 0.3804
CMYK	0.20, 0.26, 0.00, 0.38
HSL	255°, 17%, 54%
HSV	255°, 26%, 62%
XYZ	21.2852, 19.7032, 35.0290
YIQ	124.6640, -7.2010, 14.8710

Conversions

Conversions Part 2

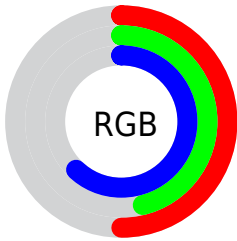
Format	Color
R_{YB}	127, 117, 158
Decimal	8353182
CIE _{Lab}	51.50, 12.69, -20.66
CIE _{LCh}	52, 24.246, 301.548
Yxy	19.7032, 0.2800, 0.2592
Android (android.graphics.Color)	4286543262 (0xFF7F759E)
YUV	124.6640, 16.4346, 2.0487
Hunter-Lab	44.3883, 7.9154, -15.7168

Details

The RYB color **127, 117, 158** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **117, 158, 127**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **180, 169, 213**, and **77, 69, 106** is the 20% darker color. If you saturate the color by 10%, you get **115, 101, 158**, and if you desaturate by 10%, it is **139, 133, 158**.

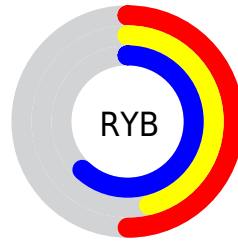
Distribution



Red (50%)

Green (46%)

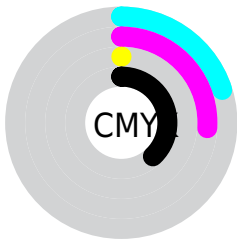
Blue (62%)



Red (50%)

Yellow (46%)

Blue (62%)

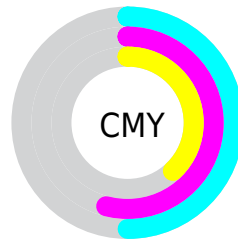


Cyan (20%)

Magenta (26%)

Yellow (0%)

Black (38%)



Cyan (50%)

Magenta (54%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 117, 158 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 127, 117, 158 by changing the saturation by 10% instead.

■ 127, 117, 158

255, 255, 255

■ 180, 169, 213

■ 208, 196, 241

■ 236, 224, 255

■ 255, 253, 255

■ 127, 117, 158

■ 102, 92, 132

■ 77, 69, 106

■ 54, 46, 82

■ 31, 26, 59

■ 12, 0, 37

■ 0, 1, 14

■ 0, 0, 0

■ 127, 117, 158

■ 115, 101, 158

■ 127, 117, 158

■ 139, 133, 158

103, 85, 158

151, 149, 158

91, 70, 158

158, 164, 159

79, 54, 158

158, 180, 163

67, 38, 158

158, 196, 167

55, 22, 158

158, 212, 171

43, 6, 158

158, 228, 175

39, 0, 158

158, 243, 178

158, 255, 178

Harmonies

Analogous

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



97, 116, 164



127, 117, 158



150, 110, 143

Triad

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



127, 117, 158



154, 135, 87



67, 103, 134

Complementary

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



127, 117, 158



117, 158, 127

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.



90, 123, 132



127, 117, 158



100, 136, 81

Square

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



127, 117, 158



163, 110, 102



87, 128, 101



55, 97, 144

Rectangle

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



127, 117, 158



160, 108, 129



87, 128, 101



74, 109, 134

Sweetspot

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



127, 117, 158



194, 190, 207



117, 135, 158



97, 94, 105



232, 232, 232



105, 105, 105

Same Dimension

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



127, 117, 158



158, 143, 207



147, 117, 158



73, 71, 79



35, 0, 143



4, 0, 15

Inverse Universe

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



158, 117, 148



207, 143, 191



117, 158, 147



79, 71, 77



143, 0, 108



15, 0, 12

Previews

White Background



This preview shows how the RYB color 127, 117, 158 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 127, 117, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

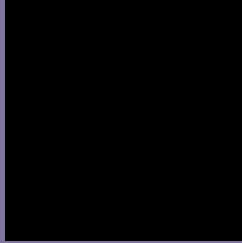
Any Text WCAG AA ✓ Pass

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 127, 117, 158 Background



This preview shows how black text looks on a background with the RYB color 127, 117, 158.



This preview shows how white text looks on a background with the RYB color 127, 117, 158.

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
127, 117, 158

Protanopia
112, 120, 161

Deuteranopia
116, 120, 157



Tritanopia
122, 122, 132

Trichromacy



Original Color
127, 117, 158

Protanomaly
117, 120, 160

Deuteranomaly
120, 120, 157

Tritanomaly
124, 120, 141

Monochromacy



Original Color
127, 117, 158

Achromatopsia
125, 125, 125

Achromatomaly
126, 122, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 117, 158 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(127, 117, 158)` looks like.

```
.text, #text, p{  
    color:rgb(127, 117, 158)  
}
```

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(127, 117, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 117, 158) }
```

Border

The CSS property to change the border of an element to RYB 127, 117, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

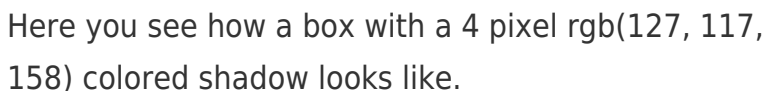
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 117, 158) }
```

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

```
.border{ border-color:rgb(127, 117, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 117, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 117, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 117, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 117,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 127, 117, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 117, 158) }
```

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

```
.background{ background-color: rgb(127,  
117, 158) }
```

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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