Converting Colors

RYB(117, 115, 128)

Have a look what the booklet for RYB(117, 115, 128) contains.

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Color

RYB(117, 115, 128)

Conversions

Format	Color
Hex	757380
RGB	117, 115, 128
RGB Percent	46%, 45%, 50%
CMY	0.5412, 0.5490, 0.4980
CMYK	0.09, 0.10, 0.00, 0.50
HSL	249°, 5%, 48%
HSV	249°, 10%, 50%
XYZ	17.3631, 17.6019, 22.9044
YIQ	117.0800, -2.9810, 4.4670

Conversions Part 1

Conversions

Conversions Part 2

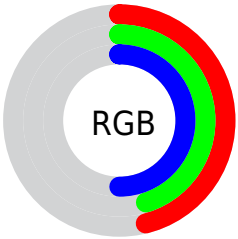
Format	Color
RYB	117, 115, 128
Decimal	7697280
CIELab	49.01, 3.49, -6.86
CIELCh	49, 7.697, 296.968
Yxy	17.6019, 0.3000, 0.3042
Android (android.graphics.Color)	4285887360 (0xFF757380)
YUV	117.0800, 5.3836, -0.0702
Hunter-Lab	41.9546, 0.4526, -3.0002

Details

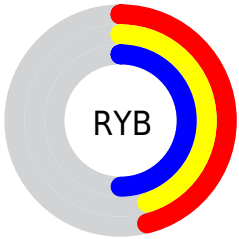
The RYB color 117, 115, 128 is a dark color, and the websafe version is hex 666666. A complement of this color would be 115, 128, 117, and the grayscale version is 117, 117, 117.

A 20% lighter version of the original color is 169, 167, 181, and 69, 67, 79 is the 20% darker color. If you saturate the color by 10%, you get 106, 102, 128, and if you desaturate by 10%, it is 128, 128, 128.

Distribution

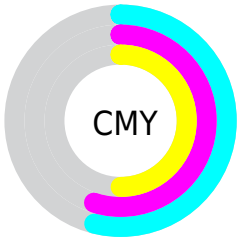


- Red (46%)
- Green (45%)
- Blue (50%)



- Red (46%)
- Yellow (45%)
- Blue (50%)

- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 115, 128 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 117, 115, 128 by changing the saturation by 10% instead.

117, 115, 128	117, 115, 128
255, 255, 255	92, 90, 103
169, 167, 181	69, 67, 79
196, 194, 208	46, 45, 56
224, 222, 237	26, 24, 35
253, 250, 255	0, 0, 12
	0, 0, 0

117, 115, 128	117, 115, 128
106, 102, 128	128, 128, 128
95, 89, 128	128, 141, 130

85, 77, 128

74, 64, 128

63, 51, 128

52, 38, 128

41, 25, 128

30, 13, 128

20, 0, 128

128, 153, 132

128, 166, 134

128, 179, 136

128, 192, 138

128, 205, 140

128, 217, 141

128, 230, 144

Harmonies

Analogous

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

109, 115, 129

117, 115, 128

124, 113, 124

Triad

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

117, 115, 128

128, 119, 106

102, 112, 120

Complementary

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

117, 115, 128

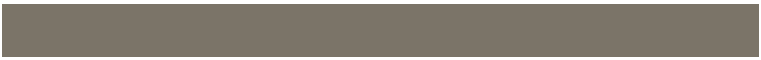
115, 128, 117

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.

108, 118, 119

117, 115, 128



115, 123, 104

Square

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

117, 115, 128

131, 112, 111

105, 118, 108

100, 110, 122

Rectangle

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

117, 115, 128

128, 112, 120

105, 118, 108

104, 114, 120

Sweetspot

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

117, 115, 128

162, 161, 166

115, 121, 128

81, 81, 84

212, 212, 212

84, 84, 84

Same Dimension

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

117, 115, 128

149, 146, 166

123, 115, 128

58, 57, 64

20, 0, 128

0, 0, 0

Inverse Universe

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

128, 115, 126

166, 146, 163

115, 128, 123

64, 57, 63

128, 0, 108

0, 0, 0

Previews

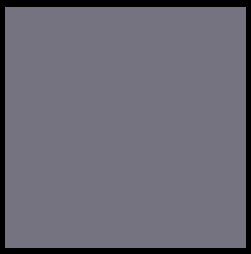
White Background

This preview shows how the RYB color 117, 115, 128 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



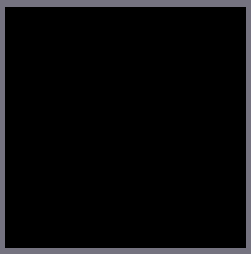
This preview shows how the RYB color 117, 115, 128 looks on a black background.

Color Contrast Check

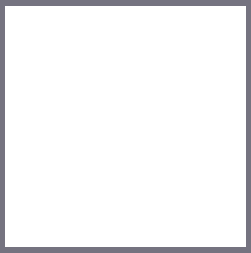
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 117, 115, 128 Background



This preview shows how black text looks on a background with the RYB color 117, 115, 128.



This preview shows how white text looks on a background with the RYB color 117, 115, 128.

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
117, 115, 128

Protanopia
115, 116, 128

Deuteranopia
122, 113, 128

Tritanopia
116, 116, 125

Trichromacy

Original Color
117, 115, 128

Protanomaly
116, 116, 128

Deuteranomaly
120, 114, 128

Tritanomaly
116, 116, 126

Monochromacy

Original Color
117, 115, 128

Achromatopsia
117, 117, 117

Achromatomaly
117, 116, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 115, 128 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(117, 115, 128) looks like.

```
.text, #text, p{
    color:rgb(117, 115, 128)
}
```

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(117, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 128) }
```

Border

The CSS property to change the border of an element to RYB 117, 115, 128 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(117, 115, 128) }
```

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

```
.border{ border-color:rgb(117, 115, 128) }
```

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

Here you see how a box with a 4 pixel rgb(117, 115, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 115, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 115, 128); box-shadow:4px 4px 4px 4px rgb(117, 115, 128) }
```

Background

The CSS property to change the background color of an element to RYB 117, 115, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(117, 115, 128) }
```

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

```
.background{ background-color:rgb(117,
115, 128) }
```

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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