Converting Colors

RYB(128, 117, 113)

Have a look what the booklet for RYB(128, 117, 113) contains.

RYB(128, 117, 113) 3
Conversions 4
Details 6
Harmonies 11
Previews 23
Color Blindness Simulation 26
CSS Examples 29

Color

RYB(128, 117, 113)

Conversions

Conversions Part 1

Format	Color
Hex	807471
RGB	128, 116, 113
RGB Percent	50%, 45%, 44%
CMY	0.4980, 0.5445, 0.5569
CMYK	0.00, 0.09, 0.12, 0.50
HSL	13°, 6%, 47%
HSV	13°, 12%, 50%
XYZ	18.1463, 18.3087, 18.2003
YIQ	119.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

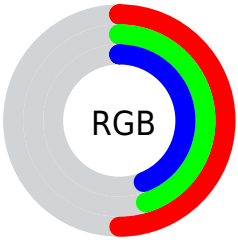
Format	Color
RYB	128, 117, 113
Decimal	8418417
CIELab	49.87, 3.99, 3.39
CIELCh	50, 5.241, 40.373
Yxy	18.3087, 0.3320, 0.3350
Android (android.graphics.Color)	4286608497 (0xFF807471)
YUV	119.2460, -3.0793, 7.6773
Hunter-Lab	42.7886, 0.8204, 4.7328

Details

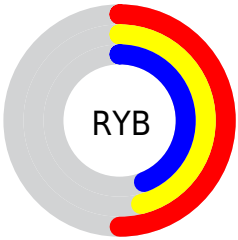
The RYB color 128, 117, 113 is a dark color, and the websafe version is hex 666666. A complement of this color would be 113, 120, 128, and the grayscale version is 119, 119, 119.

A 20% lighter version of the original color is 181, 169, 165, and 79, 69, 65 is the 20% darker color. If you saturate the color by 10%, you get 128, 108, 100, and if you desaturate by 10%, it is 128, 126, 126.

Distribution

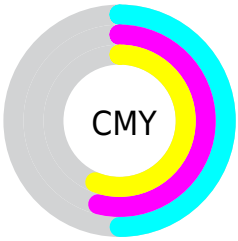


- Red (50%)
- Green (45%)
- Blue (44%)



- Red (50%)
- Yellow (46%)
- Blue (44%)

- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 117, 113 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 128, 117, 113 by changing the saturation by 10% instead.

128, 117, 113

255, 255, 255

181, 169, 165

208, 196, 192

237, 224, 220

253, 255, 248

128, 117, 113

103, 93, 89

79, 69, 65

56, 47, 43

34, 25, 23

9, 0, 0

0, 0, 0

128, 117, 113

128, 108, 100

128, 99, 87

128, 117, 113

128, 126, 126

128, 133, 139

128, 89, 75

128, 80, 62

128, 71, 49

128, 62, 36

128, 51, 23

128, 41, 11

128, 34, 0

128, 138, 151

128, 144, 164

128, 150, 177

128, 155, 190

128, 161, 203

128, 166, 215

128, 172, 228

Harmonies

Analogous

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

128, 116, 117

128, 117, 113

125, 123, 110

Triad

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

128, 117, 113

111, 118, 121

116, 118, 127

Complementary

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

128, 117, 113

113, 120, 128

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.

111, 117, 127

128, 117, 113

108, 115, 121

Square

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

128, 117, 113

112, 120, 116

108, 115, 124

121, 117, 125

Rectangle

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

128, 117, 113

116, 122, 110

108, 115, 124

114, 118, 127

Sweetspot

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

128, 117, 113

166, 162, 159

128, 113, 125

84, 81, 80

212, 212, 212

84, 84, 84

Same Dimension

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

128, 117, 113

166, 148, 143

118, 128, 113

64, 60, 57

128, 34, 0

0, 0, 0

Inverse Universe

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

113, 120, 128

143, 153, 166

113, 117, 128

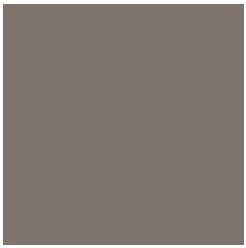
57, 60, 64

0, 56, 128

0, 0, 0

Previews

White Background

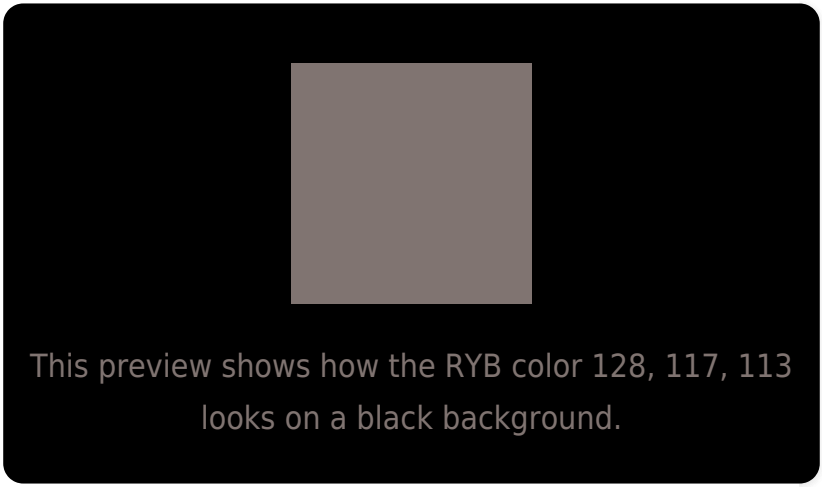


This preview shows how the RYB color 128, 117, 113 looks on a white background.

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 128, 117, 113 Background

This preview shows how black text looks on a background with the RYB color 128, 117, 113.

This preview shows how white text looks on a background with the RYB color 128, 117, 113.

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
128, 117, 113

Protanopia
122, 122, 114

Deuteranopia
132, 115, 113

Tritanopia
129, 115, 124

Trichromacy

Original Color
128, 117, 113

Protanomaly
124, 118, 114

Deuteranomaly
131, 115, 113

Tritanomaly
129, 115, 120

Monochromacy

Original Color
128, 117, 113

Achromatopsia
119, 119, 119

Achromatomaly
122, 118, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 117, 113 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(128, 116, 113) looks like.

```
.text, #text, p{
    color:rgb(128, 116, 113)
}
```

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(128, 116, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 116, 113) }
```

Border

The CSS property to change the border of an element to RYB 128, 117, 113 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(128, 116, 113) }
```

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

```
.border{ border-color:rgb(128, 116, 113) }
```

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

Here you see how a box with a 4 pixel rgb(128, 116, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 116, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 116, 113); box-shadow:4px 4px 4px 4px rgb(128, 116, 113) }
```

Background

The CSS property to change the background color of an element to RYB 128, 117, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(128, 116, 113) }
```

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

```
.background{ background-color:rgb(128, 116, 113) }
```

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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