Converting Colors

RYB(172, 117, 113)

Have a look what the booklet for RYB(172, 117, 113) contains.

Color

RYB(172, 117, 113)

Conversions

Conversions Part 1

Format	Color
Hex	AC7571
RGB	172, 117, 113
RGB Percent	67%, 46%, 44%
CMY	0.3255, 0.5422, 0.5569
CMYK	0.00, 0.32, 0.34, 0.33
HSL	4°, 26%, 56%
HSV	4°, 34%, 67%
XYZ	26.3256, 22.6264, 18.6026
YIQ	132.9890, 34.0640, 10.4160

Conversions

Conversions Part 2

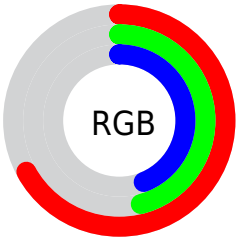
Format	Color
RYB	172, 117, 113
Decimal	11302257
CIELab	54.69, 21.25, 10.89
CIELCh	55, 23.876, 27.147
Yxy	22.6264, 0.3897, 0.3349
Android (android.graphics.Color)	4289492337 (0xFFAC7571)
YUV	132.9890, -9.8546, 34.2126
Hunter-Lab	47.5672, 15.5466, 10.1099

Details

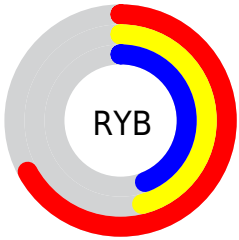
The RYB color 172, 117, 113 is a dark color, and the websafe version is hex 996666. A complement of this color would be 113, 141, 172, and the grayscale version is 133, 133, 133.

A 20% lighter version of the original color is 229, 169, 165, and 118, 68, 65 is the 20% darker color. If you saturate the color by 10%, you get 172, 101, 96, and if you desaturate by 10%, it is 172, 133, 130.

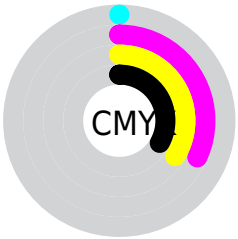
Distribution



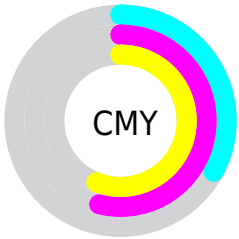
- Red (67%)
- Green (46%)
- Blue (44%)



- Red (67%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (32%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 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 172, 117, 113 by changing the saturation by 10% instead.

172, 117, 113	172, 117, 113
255, 255, 255	145, 92, 89
229, 169, 165	118, 68, 65
255, 197, 192	92, 45, 43
255, 226, 220	67, 23, 23
251, 255, 248	44, 0, 0
	0, 0, 0

172, 117, 113	172, 117, 113
172, 101, 96	172, 133, 130
172, 85, 79	172, 149, 147

172, 68, 61

172, 53, 44

172, 37, 27

172, 21, 10

172, 12, 0

172, 165, 165

172, 177, 182

172, 185, 199

172, 193, 216

172, 202, 233

172, 210, 251

172, 214, 255

Harmonies

Analogous

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

170, 116, 134

172, 117, 113

164, 137, 97

Triad

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

172, 117, 113

102, 135, 140

101, 123, 172

Complementary

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

172, 117, 113

113, 141, 172

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.

75, 112, 165

172, 117, 113

79, 114, 142

Square

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

172, 117, 113

94, 135, 103

66, 106, 149

131, 126, 167

Rectangle

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

172, 117, 113

141, 154, 91

66, 106, 149

91, 119, 171

Sweetspot

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

172, 117, 113

224, 203, 202

172, 113, 169

112, 100, 99

240, 240, 240

112, 112, 112

Same Dimension

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

172, 117, 113

224, 138, 132

163, 172, 113

87, 79, 78

150, 11, 0

23, 1, 0

Inverse Universe

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

113, 141, 172

132, 177, 224

113, 132, 172

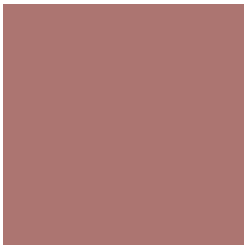
78, 82, 87

0, 73, 150

0, 11, 23

Previews

White Background

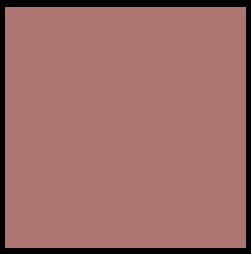


This preview shows how the RYB color 172, 117, 113 looks on a white background.

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



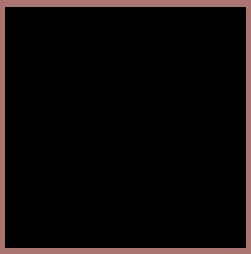
This preview shows how the RYB color 172, 117, 113 looks on a black background.

Color Contrast Check

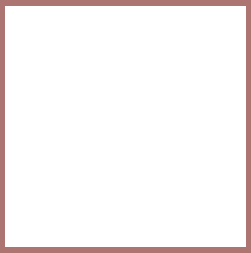
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 172, 117, 113 Background



This preview shows how black text looks on a background with the RYB color 172, 117, 113.

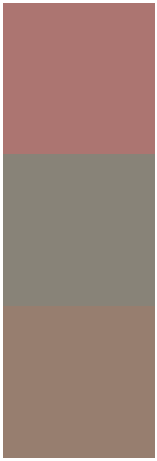


This preview shows how white text looks on a background with the RYB color 172, 117, 113.

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
172, 117, 113

Protanopia
127, 136, 120

Deuteranopia
151, 135, 111

Tritanopia
173, 115, 124

Trichromacy

Original Color
172, 117, 113

Protanomaly
149, 130, 117

Deuteranomaly
159, 126, 112

Tritanomaly
173, 116, 120

Monochromacy

Original Color
172, 117, 113

Achromatopsia
133, 133, 133

Achromatomaly
147, 127, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 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(172, 117, 113) looks like.

```
.text, #text, p{
    color:rgb(172, 117, 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(172, 117, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 117, 113) }
```

Border

The CSS property to change the border of an element to RYB 172, 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(172, 117, 113) }
```

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

```
.border{ border-color:rgb(172, 117, 113) }
```

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

Here you see how a box with a 4 pixel rgb(172, 117, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 117, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 117, 113); box-shadow:4px 4px 4px 4px rgb(172, 117, 113) }
```

Background

The CSS property to change the background color of an element to RYB 172, 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(172, 117, 113) }
```

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

```
.background{ background-color:rgb(172,
117, 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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