Converting Colors

RGB(87, 112, 117)

Have a look what the booklet for RGB(87, 112, 117) contains.

Color

RGB(87, 112, 117)

Conversions

Conversions Part 1

Format	Color
Hex	577075
RGB	87, 112, 117
RGB Percent	34%, 44%, 46%
CMY	0.6588, 0.5608, 0.5412
CMYK	0.26, 0.04, 0.00, 0.54
HSL	190°, 15%, 40%
HSV	190°, 26%, 46%
XYZ	12.9355, 14.8989, 19.0236
YIQ	105.0950, -16.5050, -3.7450

Conversions

Conversions Part 2

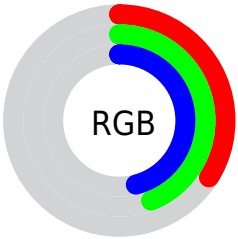
Format	Color
RYB	87, 101, 117
Decimal	5730421
CIELab	45.50, -7.88, -5.78
CIELCh	45, 9.772, 216.276
Yxy	14.8989, 0.2761, 0.3180
Android (android.graphics.Color)	4283920501 (0xFF577075)
YUV	105.0950, 5.8692, -15.8693
Hunter-Lab	38.5991, -7.7287, -2.2017

Details

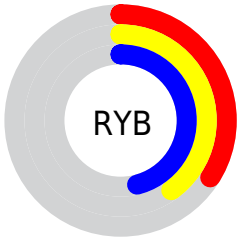
The RGB color 87, 112, 117 is a dark color, and the websafe version is hex 666666. A complement of this color would be 117, 92, 87, and the grayscale version is 105, 105, 105.

A 20% lighter version of the original color is 138, 164, 169, and 40, 64, 69 is the 20% darker color. If you saturate the color by 10%, you get 75, 110, 117, and if you desaturate by 10%, it is 99, 114, 117.

Distribution

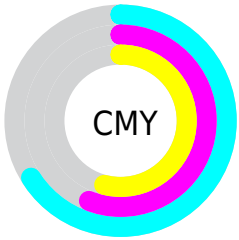


- Red (34%)
- Green (44%)
- Blue (46%)



- Red (34%)
- Yellow (40%)
- Blue (46%)

- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (54%)



- Cyan (66%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 112, 117 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 RGB color 87, 112, 117 by changing the saturation by 10% instead.

87, 112, 117	87, 112, 117
255, 255, 255	63, 88, 92
138, 164, 169	40, 64, 69
164, 191, 196	18, 42, 47
191, 219, 224	0, 22, 26
219, 247, 253	0, 0, 0
248, 255, 255	

87, 112, 117	87, 112, 117
75, 110, 117	99, 114, 117
64, 108, 117	110, 116, 117

52, 106, 117

40, 104, 117

29, 102, 117

17, 100, 117

5, 98, 117

0, 97, 117

122, 118, 117

134, 120, 117

146, 122, 117

157, 124, 117

169, 126, 117

181, 128, 117

192, 130, 117

Harmonies

Analogous

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

88, 113, 109

87, 112, 117

92, 110, 122

Triad

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

87, 112, 117

120, 103, 114

113, 108, 92

Complementary

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

87, 112, 117

117, 92, 87

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.

120, 105, 93

87, 112, 117

125, 102, 106

Square

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

87, 112, 117

111, 105, 121

125, 103, 98

103, 110, 94

Rectangle

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

87, 112, 117

98, 109, 124

125, 103, 98

115, 107, 92

Sweetspot

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

87, 112, 117

141, 151, 153

87, 117, 92

69, 75, 77

204, 204, 204

77, 77, 77

Same Dimension

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

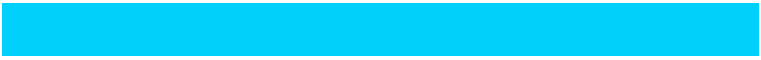
87, 112, 117

106, 145, 153

87, 97, 117

53, 58, 59

0, 102, 122



0, 208, 250

Inverse Universe

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

117, 87, 112

153, 106, 145

117, 107, 87

59, 53, 58

122, 0, 102

250, 0, 208

Previews

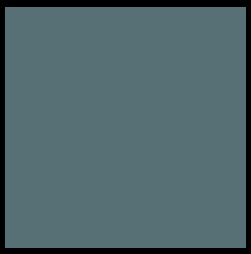
White Background

This preview shows how the RGB color 87, 112, 117 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



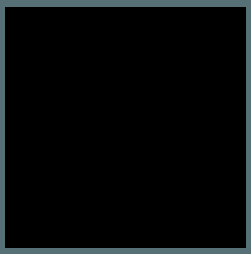
This preview shows how the RGB color 87, 112, 117 looks on a black background.

Color Contrast Check

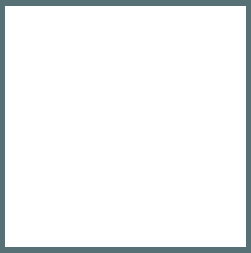
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RGB 87, 112, 117 Background



This preview shows how black text looks on a background with the RGB color 87, 112, 117.



This preview shows how white text looks on a background with the RGB color 87, 112, 117.

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
87, 112, 117

Protanopia
107, 107, 114

Deuteranopia
113, 104, 119

Tritanopia
88, 111, 120

Trichromacy

Original Color
87, 112, 117

Protanomaly
100, 109, 115

Deuteranomaly
104, 107, 118

Tritanomaly
88, 111, 119

Monochromacy

Original Color
87, 112, 117

Achromatopsia
105, 105, 105

Achromatomaly
98, 108, 109

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 112, 117 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(87, 112, 117) looks like.

```
.text, #text, p{
    color:rgb(87, 112, 117)
}
```

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(87, 112, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 112, 117) }
```

Border

The CSS property to change the border of an element to RGB 87, 112, 117 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(87, 112, 117) }
```

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

```
.border{ border-color:rgb(87, 112, 117) }
```

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

Here you see how a box with a 4 pixel rgb(87, 112, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 112, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 112, 117); box-shadow:4px 4px 4px 4px rgb(87, 112, 117) }
```

Background

The CSS property to change the background color of an element to RGB 87, 112, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(87, 112, 117) }
```

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

```
.background{ background-color:rgb(87, 112,
117) }
```

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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