Converting Colors

RYB(111, 145, 119)

Have a look what the booklet for RYB(111, 145, 119) contains.

RYB(111, 145, 119) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

RYB(111, 145, 119)

Conversions

Conversions Part 1

Format	Color
Hex	89916F
RGB	137, 145, 111
RGB Percent	54%, 57%, 44%
CMY	0.4627, 0.4314, 0.5647
CMYK	0.06, 0.00, 0.23, 0.43
HSL	74°, 13%, 50%
HSV	74°, 23%, 57%
XYZ	23.3112, 26.7169, 18.9672
YIQ	138.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

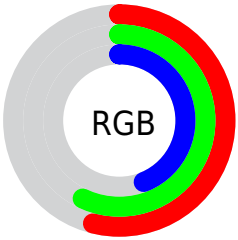
Format	Color
RYB	111, 145, 119
Decimal	9015663
CIELab	58.71, -9.05, 17.11
CIELCh	59, 19.363, 117.882
Yxy	26.7169, 0.3379, 0.3872
Android (android.graphics.Color)	4287205743 (0xFF89916F)
YUV	138.7320, -13.6719, -1.5190
Hunter-Lab	51.6884, -9.9521, 14.4252

Details

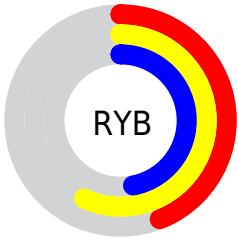
The RYB color 111, 145, 119 is a dark color, and the websafe version is hex 999966. A complement of this color would be 119, 111, 145, and the grayscale version is 139, 139, 139.

A 20% lighter version of the original color is 163, 199, 171, and 63, 95, 71 is the 20% darker color. If you saturate the color by 10%, you get 97, 145, 108, and if you desaturate by 10%, it is 126, 145, 131.

Distribution

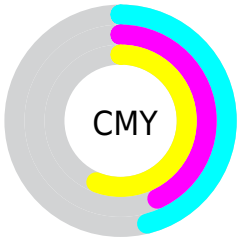


- Red (54%)
- Green (57%)
- Blue (44%)



- Red (44%)
- Yellow (57%)
- Blue (47%)

- Cyan (6%)
- Magenta (0%)
- Yellow (23%)
- Black (43%)



- Cyan (46%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 145, 119 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 111, 145, 119 by changing the saturation by 10% instead.

111, 145, 119	111, 145, 119
255, 255, 255	86, 119, 94
163, 199, 171	63, 95, 71
190, 227, 198	41, 71, 49
218, 255, 226	20, 49, 28
246, 255, 246	0, 28, 7
	0, 0, 0

111, 145, 119	111, 145, 119
97, 145, 108	126, 145, 131
82, 145, 97	140, 145, 141

68, 145, 86

53, 145, 75

39, 145, 64

24, 145, 52

10, 145, 42

0, 145, 34

147, 145, 155

151, 145, 169

154, 145, 184

157, 145, 198

161, 145, 213

164, 145, 227

168, 145, 242

Harmonies

Analogous

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

129, 155, 107

111, 145, 119

118, 145, 149

Triad

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

111, 145, 119

100, 128, 169

174, 129, 143

Complementary

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

111, 145, 119

119, 111, 145

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.

162, 132, 160

111, 145, 119

119, 136, 175

Square

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

111, 145, 119

93, 123, 156

143, 137, 171

176, 130, 126

Rectangle

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

111, 145, 119

106, 133, 150

143, 137, 171

171, 130, 149

Sweetspot

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

111, 145, 119

175, 189, 178

145, 121, 111

87, 94, 88

222, 222, 222

94, 94, 94

Same Dimension

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

111, 145, 119

136, 189, 149

111, 145, 136

64, 71, 65

0, 135, 32

0, 8, 2

Inverse Universe

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

119, 111, 145

148, 136, 189

136, 111, 145

66, 64, 71

32, 0, 135

2, 0, 8

Previews

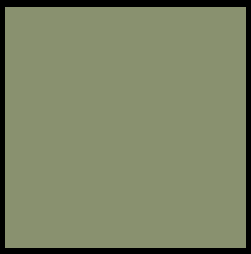
White Background

This preview shows how the RYB color 111, 145, 119 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



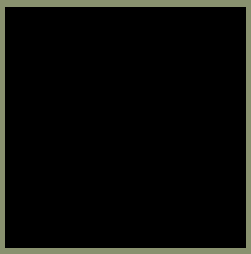
This preview shows how the RYB color 111, 145, 119 looks on a black background.

Color Contrast Check

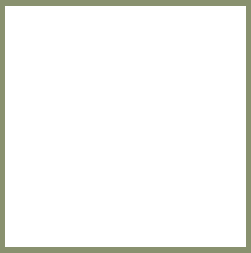
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 111, 145, 119 Background



This preview shows how black text looks on a background with the RYB color 111, 145, 119.



This preview shows how white text looks on a background with the RYB color 111, 145, 119.

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
111, 145, 119

Protanopia
122, 151, 109

Deuteranopia
164, 152, 113

Tritanopia
142, 140, 151

Trichromacy

Original Color
111, 145, 119

Protanomaly
115, 146, 110

Deuteranomaly
135, 154, 112

Tritanomaly
136, 142, 138

Monochromacy

Original Color
111, 145, 119

Achromatopsia
139, 139, 139

Achromatomaly
129, 141, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 145, 119 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(137, 145, 111) looks like.

```
.text, #text, p{
    color:rgb(137, 145, 111)
}
```

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(137, 145, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 145, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 145, 119 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(137, 145, 111) }
```

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

```
.border{ border-color:rgb(137, 145, 111) }
```

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

Here you see how a box with a 4 pixel rgb(137, 145, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 145, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 145, 111); box-shadow:4px 4px 4px 4px rgb(137, 145, 111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 145, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(137, 145, 111) }
```

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

```
.background{ background-color:rgb(137,
145, 111) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor