

Converting Colors

`RYB(117, 161, 136)`

Have a look what the booklet for
RYB(117, 161, 136) contains.

RYB(117, 161, 136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(117, 161, 136)

Conversions

Conversions Part 1

Format	Color
Hex	8EA175
RGB	142, 161, 117
RGB Percent	56%, 63%, 46%
CMY	0.4431, 0.3686, 0.5412
CMYK	0.12, 0.00, 0.27, 0.37
HSL	86°, 19%, 55%
HSV	86°, 27%, 63%
XYZ	27.1111, 32.5249, 21.6786
YIQ	150.3030, 2.8000, -17.7120

Conversions

Conversions Part 2

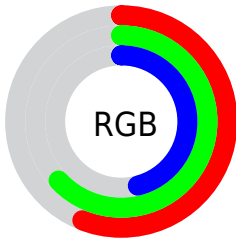
Format	Color
RYB	117, 161, 136
Decimal	9347445
CIELab	63.77, -14.72, 20.76
CIELCh	64, 25.447, 125.344
Yxy	32.5249, 0.3334, 0.4000
Android (android.graphics.Color)	4287537525 (0xFF8EA175)
YUV	150.3030, -16.4184, -7.2817
Hunter-Lab	57.0306, -14.9486, 17.3839

Details

The RYB color **117, 161, 136** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **136, 117, 161**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **169, 216, 189**, and **68, 109, 86** is the 20% darker color. If you saturate the color by 10%, you get **101, 161, 127**, and if you desaturate by 10%, it is **133, 161, 145**.

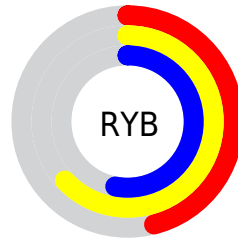
Distribution



Red (56%)

Green (63%)

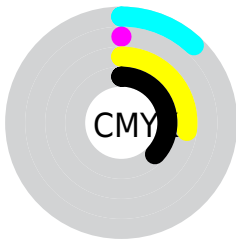
Blue (46%)



Red (46%)

Yellow (63%)

Blue (53%)

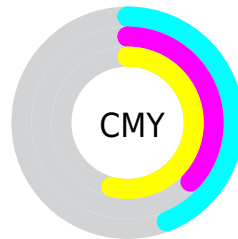


Cyan (12%)

Magenta (0%)

Yellow (27%)

Black (37%)



Cyan (44%)

Magenta (37%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 161, 136 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, 161, 136 by changing the saturation by 10% instead.

■ 117, 161, 136

255, 255, 255

■ 169, 216, 189

■ 197, 244, 217

■ 225, 255, 227

253, 255, 253

■ 117, 161, 136

■ 101, 161, 127

■ 117, 161, 136

■ 92, 135, 111

■ 68, 109, 86

■ 46, 85, 64

■ 24, 62, 42

■ 0, 40, 16

■ 0, 21, 21

■ 0, 0, 0

■ 117, 161, 136

■ 133, 161, 145

■ 85, 161, 118

■ 149, 161, 154

■ 69, 161, 109

■ 163, 161, 165

■ 53, 161, 100

■ 170, 161, 181

■ 36, 161, 90

■ 177, 161, 197

■ 20, 161, 81

■ 184, 161, 214

■ 4, 161, 72

■ 191, 161, 230

■ 0, 161, 70

■ 198, 161, 246

■ 205, 161, 255

Harmonies

Analogous

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



126, 167, 109



117, 161, 136



116, 151, 165

Triad

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



117, 161, 136



101, 138, 195



199, 138, 151

Complementary

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



117, 161, 136



136, 117, 161

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.



187, 141, 174



117, 161, 136



132, 149, 199

Square

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



117, 161, 136



85, 129, 180



163, 147, 191



199, 142, 129

Rectangle

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



117, 161, 136



100, 138, 167



163, 147, 191



197, 138, 159

Sweetspot

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



117, 161, 136



192, 209, 199



161, 147, 117



94, 105, 99



232, 232, 232



105, 105, 105

Same Dimension

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



117, 161, 136



140, 209, 170



117, 161, 157



73, 82, 77



0, 145, 62



0, 18, 8

Inverse Universe

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



136, 117, 161



170, 140, 209



157, 117, 161



77, 73, 82



63, 0, 145



8, 0, 18

Previews

White Background



This preview shows how the RYB color 117, 161, 136 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 117, 161, 136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

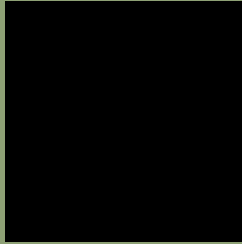
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 117, 161, 136 Background



This preview shows how black text looks on a background with the R Y B color 117, 161, 136.



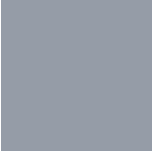
This preview shows how white text looks on a background with the R Y B color 117, 161, 136.

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





Tritanopia

149, 154, 167

Trichromacy



Original Color
117, 161, 136

Protanomaly
115, 157, 115

Deuteranomaly
139, 167, 119

Tritanomaly
146, 155, 157

Monochromacy



Original Color
117, 161, 136

Achromatopsia
150, 150, 150

Achromatomaly
138, 154, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 161, 136 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(142, 161, 117)` looks like.

```
.text, #text, p{  
    color:rgb(142, 161, 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(142, 161, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 161, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 161, 136 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(142, 161, 117) }
```

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

```
.border{ border-color:rgb(142, 161, 117) }
```

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

Here you see how a box with a 4 pixel rgb(142, 161, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 161, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 161, 117);  
box-shadow:4px 4px 4px 4px rgb(142, 161,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 161, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 161, 117) }
```

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

```
.background{ background-color: rgb(142,  
161, 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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