

Converting Colors

`RYB(117, 167, 110)`

Have a look what the booklet for
RYB(117, 167, 110) contains.

RYB(117, 167, 110)	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, 167, 110)

Conversions

Conversions Part 1

Format	Color
Hex	A7A16E
RGB	167, 161, 110
RGB Percent	65%, 63%, 43%
CMY	0.3451, 0.3695, 0.5686
CMYK	0.00, 0.04, 0.34, 0.35
HSL	53°, 24%, 54%
HSV	53°, 34%, 65%
XYZ	31.4548, 34.7492, 19.8013
YIQ	156.9800, 19.9470, -14.5890

Conversions

Conversions Part 2

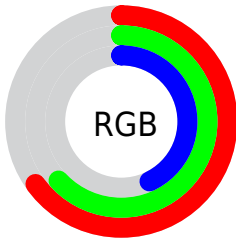
Format	Color
RYB	117, 167, 110
Decimal	10985838
CIELab	65.55, -5.67, 27.30
CIELCh	66, 27.880, 101.740
Yxy	34.7492, 0.3657, 0.4040
Android (android.graphics.Color)	4289175918 (0xFFA7A16E)
YUV	156.9800, -23.1611, 8.7875
Hunter-Lab	58.9484, -7.9125, 21.3479

Details

The RYB color **117, 167, 110** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **110, 115, 167**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **170, 223, 162**, and **65, 114, 61** is the 20% darker color. If you saturate the color by 10%, you get **102, 167, 93**, and if you desaturate by 10%, it is **131, 167, 127**.

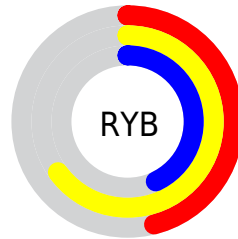
Distribution



Red (65%)

Green (63%)

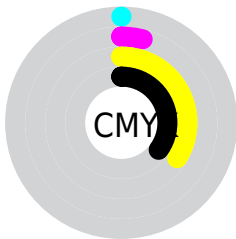
Blue (43%)



Red (46%)

Yellow (65%)

Blue (43%)

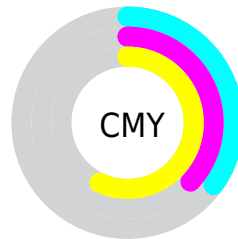


Cyan (0%)

Magenta (4%)

Yellow (34%)

Black (35%)



Cyan (35%)

Magenta (37%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 167, 110 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, 167, 110 by changing the saturation by 10% instead.

 117, 167, 110


255, 255, 255

 171, 223, 162

 198, 252, 189


 217, 255, 217

 246, 255, 246

 117, 167, 110

 102, 167, 93

 117, 167, 110

 91, 140, 85

 67, 114, 61


 43, 89, 39


 18, 64, 16

 2, 42, 0

 0, 20, 4

 0, 0, 0

 117, 167, 110

 131, 167, 127

■ 88, 167, 77

■ 146, 167, 143

■ 74, 167, 60

■ 161, 167, 160

■ 59, 167, 43

■ 167, 168, 177

■ 44, 167, 27

■ 167, 170, 194

■ 29, 167, 10

■ 167, 171, 210

■ 20, 167, 0

■ 167, 173, 227

■ 167, 174, 244

■ 167, 176, 255

Harmonies

Analogous

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



186, 190, 112



117, 167, 110



121, 168, 150

Triad

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



117, 167, 110



82, 131, 192



199, 143, 175

Complementary

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



117, 167, 110



110, 115, 167

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.



175, 149, 197



117, 167, 110



105, 143, 206

Square

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



117, 167, 110



86, 131, 173



141, 155, 208



209, 141, 150

Rectangle

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



117, 167, 110



120, 159, 171



141, 155, 208



192, 144, 183

Sweetspot

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



117, 167, 110



198, 217, 195



167, 110, 117



98, 110, 96



237, 237, 237



110, 110, 110

Same Dimension

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



117, 167, 110



139, 217, 128



110, 167, 132



77, 84, 76



18, 148, 0



2, 20, 0

Inverse Universe

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



110, 115, 167



128, 137, 217



132, 110, 167



76, 77, 84



0, 14, 148



0, 2, 20

Previews

White Background



This preview shows how the RYB color 117, 167, 110 looks on a white background.

Color Contrast Check

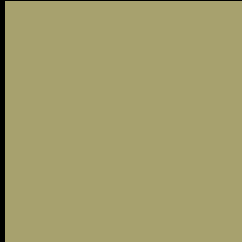
Large Text (above 18pt) WCAG AA × Fail

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, 167, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

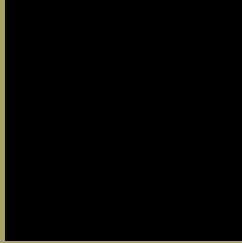
Any Text WCAG AA ✓ Pass

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](#).

RYB 117, 167, 110 Background



This preview shows how black text looks on a background with the RYB color 117, 167, 110.



This preview shows how white text looks on a background with the RYB color 117, 167, 110.

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
117, 167, 110

Protanopia
125, 172, 109

Deuteranopia
186, 190, 112



Tritanopia

174, 154, 166

Trichromacy



Original Color

117, 167, 110

Protanomaly

121, 170, 109

Deuteranomaly

155, 182, 111

Tritanomaly

171, 163, 146

Monochromacy



Original Color

117, 167, 110

Achromatopsia

157, 157, 157

Achromatomaly

144, 161, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 167, 110 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(167, 161, 110)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 110)  
}
```

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(167, 161, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 110) }
```

Border

The CSS property to change the border of an element to RYB 117, 167, 110 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(167, 161, 110) }
```

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

```
.border{ border-color:rgb(167, 161, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 110);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 117, 167, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 110) }
```

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

```
.background{ background-color: rgb(167,  
161, 110) }
```

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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