

Converting Colors

`RYB(117, 171, 116)`

Have a look what the booklet for
RYB(117, 171, 116) contains.

RYB(117, 171, 116)	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, 171, 116)

Conversions

Conversions Part 1

Format	Color
Hex	ABAA74
RGB	171, 170, 116
RGB Percent	67%, 67%, 45%
CMY	0.3294, 0.3333, 0.5451
CMYK	0.00, 0.01, 0.32, 0.33
HSL	59°, 25%, 56%
HSV	59°, 32%, 67%
XYZ	34.3250, 38.6750, 22.1789
YIQ	164.1430, 17.9300, -16.5820

Conversions

Conversions Part 2

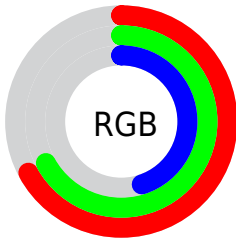
Format	Color
RYB	117, 171, 116
Decimal	11250292
CIELab	68.52, -8.23, 28.04
CIElCh	69, 29.221, 106.350
Yxy	38.6750, 0.3606, 0.4063
Android (android.graphics.Color)	4289440372 (0xFFABAA74)
YUV	164.1430, -23.7345, 6.0136
Hunter-Lab	62.1892, -10.3090, 22.3876

Details

The RYB color **117, 171, 116** is a light color, and the websafe version is hex **999966**. A complement of this color would be **116, 117, 171**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **171, 227, 169**, and **67, 118, 67** is the 20% darker color. If you saturate the color by 10%, you get **100, 171, 99**, and if you desaturate by 10%, it is **134, 171, 133**.

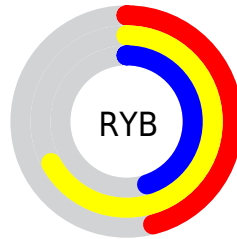
Distribution



Red (67%)

Green (67%)

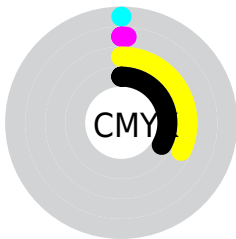
Blue (45%)



Red (46%)

Yellow (67%)

Blue (45%)

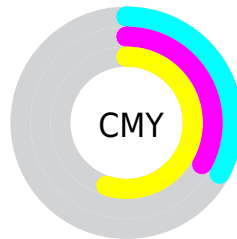


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 171, 116 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, 171, 116 by changing the saturation by 10% instead.

 117, 171, 116


255, 255, 255


 171, 227, 169

 197, 255, 196


 224, 255, 224

253, 255, 253

 117, 171, 116


 100, 171, 99

 117, 171, 116

 91, 144, 91

 67, 118, 67

 44, 93, 44

 21, 70, 23

 0, 48, 3

 0, 27, 5

 0, 0, 0

 117, 171, 116

 134, 171, 133

■ 84, 171, 82

■ 150, 171, 150

■ 67, 171, 65

■ 167, 171, 167

■ 50, 171, 48

■ 171, 171, 184

■ 33, 171, 30

■ 171, 172, 201

■ 16, 171, 13

■ 171, 172, 219

■ 3, 171, 0

■ 171, 172, 236

■ 171, 172, 253

■ 171, 173, 255

Harmonies

Analogous

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



181, 197, 116



117, 171, 116



130, 177, 166

Triad

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



117, 171, 116



87, 139, 204



212, 149, 180

Complementary

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



117, 171, 116



116, 117, 171

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.



189, 155, 204



117, 171, 116



115, 152, 218

Square

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



117, 171, 116



87, 135, 182



154, 163, 218



220, 148, 153

Rectangle

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



117, 171, 116



121, 163, 180



154, 163, 218



206, 150, 189

Sweetspot

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



117, 171, 116



201, 222, 200



171, 116, 118



99, 112, 99



240, 240, 240



112, 112, 112

Same Dimension

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



117, 171, 116



137, 222, 135



116, 171, 142



78, 87, 78



2, 150, 0



0, 23, 0

Inverse Universe

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



116, 117, 171



135, 137, 222



142, 116, 171



78, 78, 87



0, 3, 150



0, 0, 23

Previews

White Background



This preview shows how the RYB color 117, 171, 116 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, 171, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

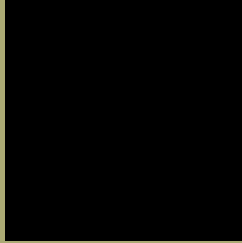
Any Text WCAG AA ✓ Pass

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, 171, 116 Background



This preview shows how black text looks on a background with the RYB color 117, 171, 116.



This preview shows how white text looks on a background with the RYB color 117, 171, 116.

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, 171, 116

Protanopia
133, 181, 115

Deuteranopia
193, 199, 118



Tritanopia
178, 163, 175

Trichromacy



Original Color
117, 171, 116

Protanomaly
126, 177, 115

Deuteranomaly
155, 189, 117

Tritanomaly
170, 175, 154

Monochromacy



Original Color
117, 171, 116

Achromatopsia
164, 164, 164

Achromatomaly
148, 167, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 171, 116 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(171, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 116)  
}
```

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(171, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 116) }
```

Border

The CSS property to change the border of an element to RYB 117, 171, 116 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(171, 170, 116) }
```

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

```
.border{ border-color:rgb(171, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 117, 171, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 116) }
```

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

```
.background{ background-color: rgb(171,  
170, 116) }
```

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