

Converting Colors

`RYB(17, 136, 97)`

Have a look what the booklet for
RYB(17, 136, 97) contains.

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Color

$\text{RYB}(17, 136, 97)$

Conversions

Conversions Part 1

Format	Color
Hex	388811
RGB	56, 136, 17
RGB Percent	22%, 53%, 7%
CMY	0.7804, 0.4667, 0.9333
CMYK	0.59, 0.00, 0.88, 0.47
HSL	100°, 78%, 30%
HSV	100°, 88%, 53%
XYZ	10.5362, 18.4895, 3.5438
YIQ	98.5140, -9.4810, -53.9690

Conversions

Conversions Part 2

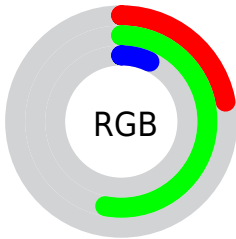
Format	Color
RYB	17, 136, 97
Decimal	3704849
CIELab	50.08, -44.66, 50.08
CIELCh	50, 67.102, 131.723
Yxy	18.4895, 0.3235, 0.5677
Android (android.graphics.Color)	4281894929 (0xFF388811)
YUV	98.5140, -40.1864, -37.2848
Hunter-Lab	42.9995, -31.5109, 25.2132

Details

The RYB color **17, 136, 97** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **97, 17, 136**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **74, 190, 151**, and **0, 85, 85** is the 20% darker color. If you saturate the color by 10%, you get **3, 136, 92**, and if you desaturate by 10%, it is **31, 136, 102**.

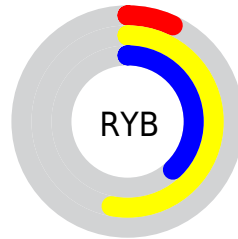
Distribution



Red (22%)

Green (53%)

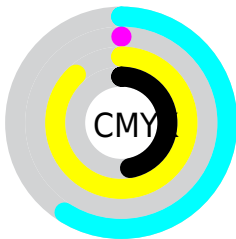
Blue (7%)



Red (7%)

Yellow (53%)

Blue (38%)

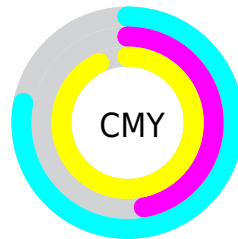


Cyan (59%)

Magenta (0%)

Yellow (88%)

Black (47%)



Cyan (78%)


















Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the RYB color 17, 136, 97 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 17, 136, 97 by changing the saturation by 10% instead.

 17, 136, 97	 17, 136, 97
255, 255, 255	 0, 110, 88
 74, 190, 151	 0, 85, 85
 100, 218, 177	 0, 61, 61
 127, 247, 205	 0, 40, 40
 154, 255, 211	 0, 1, 1
 181, 255, 209	 0, 0, 0
 210, 255, 210	
 239, 255, 239	
 17, 136, 97	 17, 136, 97

■ 3, 136, 92

■ 31, 136, 102

■ 0, 136, 91

■ 44, 136, 106

■ 58, 136, 111

■ 71, 136, 114

■ 85, 136, 119

■ 99, 136, 124

■ 112, 136, 128

■ 126, 136, 133

■ 138, 136, 139

Harmonies

Analogous

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



0, 124, 1



17, 136, 97



0, 90, 142

Triad

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



17, 136, 97



0, 85, 228



219, 53, 99

Complementary

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



17, 136, 97



97, 17, 136

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.



202, 62, 156



17, 136, 97



0, 79, 232

Square

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



17, 136, 97



0, 82, 194



148, 92, 205



206, 83, 45

Rectangle

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



17, 136, 97



0, 78, 144



148, 92, 205



217, 51, 118

Sweetspot

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



17, 136, 97



130, 176, 161



77, 136, 17



62, 89, 80



217, 217, 217



89, 89, 89

Same Dimension

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



17, 136, 97



0, 176, 118



17, 119, 136



62, 69, 67



0, 133, 90



0, 5, 3

Inverse Universe

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



97, 17, 136



118, 0, 176



136, 17, 116



67, 62, 69



89, 0, 133



3, 0, 5

Previews

White Background



This preview shows how the RYB color 17, 136, 97 looks on a white background.

Color Contrast Check

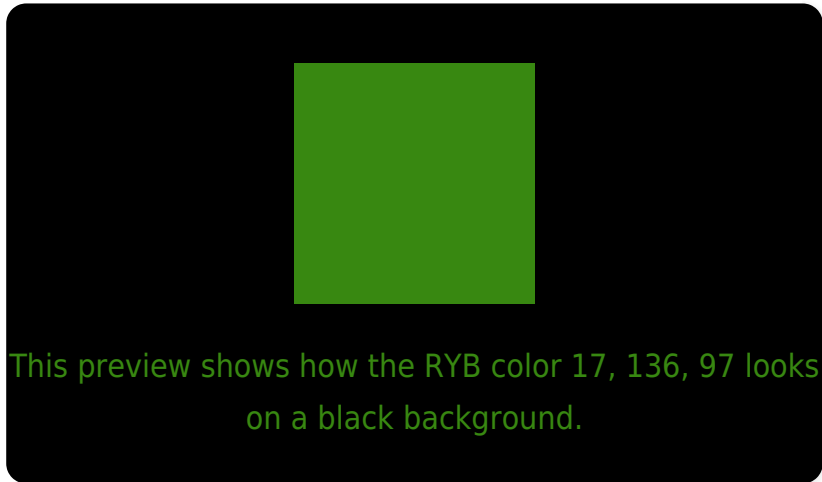
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 17, 136, 97 Background



This preview shows how black text looks on a background with the RYB color 17, 136, 97.



This preview shows how white text looks on a background with the RYB color 17, 136, 97.

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
17, 136, 97

Protanopia
28, 134, 11

Deuteranopia
86, 149, 32



Tritanopia
77, 104, 137

Trichromacy



Original Color
17, 136, 97

Protanomaly
13, 125, 32

Deuteranomaly
27, 121, 33

Tritanomaly
69, 113, 130

Monochromacy



Original Color
17, 136, 97

Achromatopsia
99, 99, 99

Achromatomaly
69, 112, 98

CSS Examples

Text

The CSS property to change the color of the text to RYB 17, 136, 97 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(56, 136, 17)` looks like.

```
.text, #text, p{  
    color:rgb(56, 136, 17)  
}
```

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(56, 136, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 136, 17) }
```

Border

The CSS property to change the border of an element to RYB 17, 136, 97 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(56, 136, 17) }
```

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

```
.border{ border-color:rgb(56, 136, 17) }
```

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

Here you see how a box with a 4 pixel rgb(56, 136, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 136, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 136, 17);  
box-shadow:4px 4px 4px 4px rgb(56, 136,  
17) }
```

Background

The CSS property to change the background color of an element to RYB 17, 136, 97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 136, 17) }
```

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

```
.background{ background-color: rgb(56, 136,  
17) }
```

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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