

Converting Colors

`RYB(47, 171, 156)`

Have a look what the booklet for
RYB(47, 171, 156) contains.

RYB(47, 171, 156)	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

RYB(47, 171, 156)

Conversions

Conversions Part 1

Format	Color
Hex	3EAB2F
RGB	62, 171, 47
RGB Percent	24%, 67%, 18%
CMY	0.7569, 0.3294, 0.8157
CMYK	0.64, 0.00, 0.73, 0.33
HSL	113°, 57%, 43%
HSV	113°, 73%, 67%
XYZ	17.0626, 30.3552, 7.6492
YIQ	124.2730, -25.1600, -61.6720

Conversions

Conversions Part 2

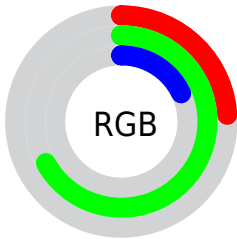
Format	Color
RYB	47, 171, 156
Decimal	4107055
CIELab	61.96, -53.97, 51.89
CIElCh	62, 74.871, 136.128
Yxy	30.3552, 0.3099, 0.5512
Android (android.graphics.Color)	4282297135 (0xFF3EAB2F)
YUV	124.2730, -38.0956, -54.6134
Hunter-Lab	55.0955, -41.1373, 30.3354

Details

The RYB color **47, 171, 156** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **156, 47, 171**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **100, 227, 205**, and **0, 117, 117** is the 20% darker color. If you saturate the color by 10%, you get **30, 171, 154**, and if you desaturate by 10%, it is **64, 171, 158**.

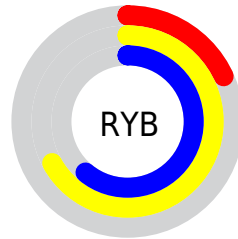
Distribution



Red (24%)

Green (67%)

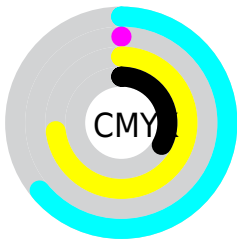
Blue (18%)



Red (18%)

Yellow (67%)

Blue (61%)

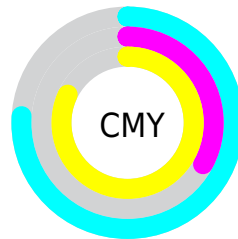


Cyan (64%)

Magenta (0%)

Yellow (73%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 171, 156 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 47, 171, 156 by changing the saturation by 10% instead.



47, 171, 156



47, 171, 156

255, 255, 255



15, 144, 137



100, 227, 205



0, 117, 117



127, 255, 230



0, 92, 92



154, 255, 228



0, 67, 67



182, 255, 227



0, 45, 45



211, 255, 226



0, 13, 13



240, 255, 240



0, 0, 0



47, 171, 156



47, 171, 156



30, 171, 154



64, 171, 158

■ 13, 171, 152

■ 81, 171, 160

■ 0, 171, 150

■ 98, 171, 162

■ 115, 171, 164

■ 132, 171, 166

■ 150, 171, 169

■ 167, 171, 171

■ 182, 171, 184

■ 197, 171, 201

Harmonies

Analogous

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



0, 158, 12



47, 171, 156



0, 108, 178

Triad

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



47, 171, 156



0, 101, 255



255, 79, 117

Complementary

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



47, 171, 156



156, 47, 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.



252, 83, 183



47, 171, 156



67, 122, 255

Square

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



47, 171, 156



0, 103, 245



197, 114, 243



248, 122, 55

Rectangle

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



47, 171, 156



0, 95, 180



197, 114, 243



255, 75, 139

Sweetspot

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



47, 171, 156



173, 222, 216



67, 171, 47



83, 112, 108



240, 240, 240



112, 112, 112

Same Dimension

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



47, 171, 156



29, 222, 199



47, 138, 171



78, 87, 86



0, 150, 132



0, 23, 20

Inverse Universe

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



156, 47, 171



199, 29, 222



171, 47, 126



86, 78, 87



132, 0, 150



20, 0, 23

Previews

White Background



This preview shows how the RYB color 47, 171, 156 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 47, 171, 156 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 47, 171, 156 Background



This preview shows how black text looks on a background with the RYB color 47, 171, 156.

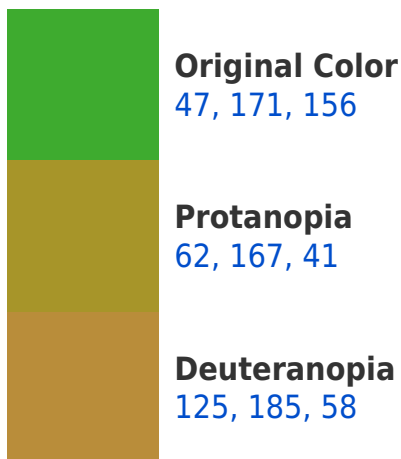


This preview shows how white text looks on a background with the RYB color 47, 171, 156.

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
91, 128, 172

Trichromacy



Original Color

47, 171, 156



Protanomaly

43, 157, 71



Deuteranomaly

54, 152, 66



Tritanomaly

80, 134, 164

Monochromacy



Original Color

47, 171, 156



Achromatopsia

124, 124, 124



Achromatomaly

96, 141, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 171, 156 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(62, 171, 47)` looks like.

```
.text, #text, p{  
    color:rgb(62, 171, 47)  
}
```

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(62, 171, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 171, 47) }
```

Border

The CSS property to change the border of an element to RYB 47, 171, 156 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(62, 171, 47) }
```

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

```
.border{ border-color:rgb(62, 171, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 171, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 171, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 171, 47);  
box-shadow:4px 4px 4px 4px rgb(62, 171,  
47) }
```

Background

The CSS property to change the background color of an element to RYB 47, 171, 156 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 171, 47) }
```

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

```
.background{ background-color: rgb(62, 171,  
47) }
```

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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