

Converting Colors

`RYB(57, 170, 157)`

Have a look what the booklet for
RYB(57, 170, 157) contains.

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Color

RYB(57, 170, 157)

Conversions

Conversions Part 1

Format	Color
Hex	46AA39
RGB	70, 170, 57
RGB Percent	27%, 67%, 22%
CMY	0.7255, 0.3333, 0.7765
CMYK	0.59, 0.00, 0.66, 0.33
HSL	113°, 50%, 45%
HSV	113°, 66%, 67%
XYZ	17.6390, 30.3469, 8.7988
YIQ	127.2180, -23.3270, -56.3430

Conversions

Conversions Part 2

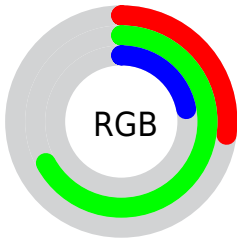
Format	Color
RYB	57, 170, 157
Decimal	4631097
CIELab	61.95, -50.80, 47.93
CIELCh	62, 69.846, 136.664
Yxy	30.3469, 0.3106, 0.5344
Android (android.graphics.Color)	4282821177 (0xFF46AA39)
YUV	127.2180, -34.6175, -50.1802
Hunter-Lab	55.0881, -39.2490, 29.0917

Details

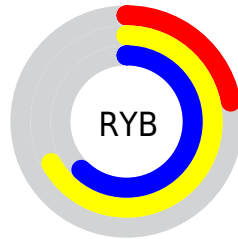
The RYB color **57, 170, 157** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **157, 57, 170**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **109, 226, 207**, and **0, 117, 117** is the 20% darker color. If you saturate the color by 10%, you get **40, 170, 155**, and if you desaturate by 10%, it is **74, 170, 159**.

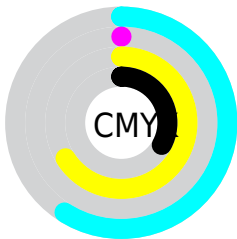
Distribution



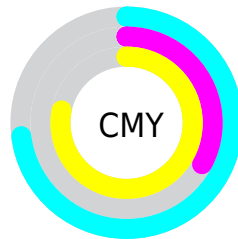
- Red (27%)
- Green (67%)
- Blue (22%)



- Red (22%)
- Yellow (67%)
- Blue (62%)



- Cyan (59%)
- Magenta (0%)
- Yellow (66%)
- Black (33%)




- Cyan (73%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 170, 157 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 57, 170, 157 by changing the saturation by 10% instead.

 57, 170, 157

255, 255, 255

 109, 226, 207


 136, 255, 234


 163, 255, 232


 191, 255, 231


 219, 255, 229

 248, 255, 248

 57, 170, 157


 30, 143, 136

 0, 117, 117


 0, 91, 91


 0, 66, 66


 0, 45, 45


 0, 13, 13

 0, 0, 0

 57, 170, 157

 40, 170, 155

 57, 170, 157

 74, 170, 159

■ 23, 170, 153

■ 91, 170, 161

■ 6, 170, 151

■ 108, 170, 163

■ 0, 170, 150

■ 125, 170, 165

■ 142, 170, 167

■ 159, 170, 169

■ 175, 170, 176

■ 190, 170, 193

■ 205, 170, 210

Harmonies

Analogous

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



0, 157, 10



57, 170, 157



0, 105, 176

Triad

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



57, 170, 157



0, 100, 255



255, 87, 118

Complementary

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



57, 170, 157



157, 57, 170

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.



247, 90, 180



57, 170, 157



85, 129, 255

Square

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



57, 170, 157



0, 101, 239



195, 117, 235



242, 128, 61

Rectangle

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



57, 170, 157



0, 93, 178



195, 117, 235



255, 85, 138

Sweetspot

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



57, 170, 157



177, 222, 216



72, 170, 57



85, 112, 109



240, 240, 240



112, 112, 112

Same Dimension

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



57, 170, 157



44, 222, 201



57, 139, 170



76, 84, 83



0, 148, 131



0, 20, 18

Inverse Universe

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



157, 57, 170



201, 44, 222



170, 57, 127



83, 76, 84



131, 0, 148



18, 0, 20

Previews

White Background



This preview shows how the RYB color 57, 170, 157 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 57, 170, 157 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](#).

RGB 57, 170, 157 Background



This preview shows how black text looks on a background with the RGB color 57, 170, 157.

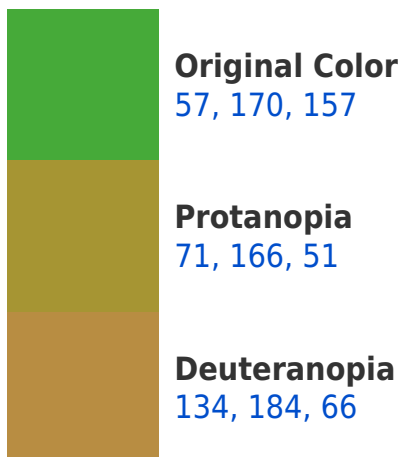


This preview shows how white text looks on a background with the RGB color 57, 170, 157.

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
95, 130, 172

Trichromacy



Original Color

57, 170, 157



Protanomaly

53, 157, 79



Deuteranomaly

63, 152, 72



Tritanomaly

86, 135, 163

Monochromacy



Original Color

57, 170, 157



Achromatopsia

127, 127, 127



Achromatomaly

102, 143, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 170, 157 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(70, 170, 57)` looks like.

```
.text, #text, p{  
    color:rgb(70, 170, 57)  
}
```

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(70, 170, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 170, 57) }
```

Border

The CSS property to change the border of an element to RYB 57, 170, 157 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(70, 170, 57) }
```

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

```
.border{ border-color:rgb(70, 170, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 170, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 170, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 170, 57);  
box-shadow:4px 4px 4px 4px rgb(70, 170,  
57) }
```

Background

The CSS property to change the background color of an element to RGB 70, 170, 57 is called "background".

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

```
.background, #background, body{  
background: rgb(70, 170, 57) }
```

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

```
.background{ background-color: rgb(70, 170,  
57) }
```

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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