

Converting Colors

`RYB(117, 172, 170)`

Have a look what the booklet for
RYB(117, 172, 170) contains.

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Color

R_YB(117, 172, 170)

Conversions

Conversions Part 1

Format	Color
Hex	77AC75
RGB	119, 172, 117
RGB Percent	47%, 67%, 46%
CMY	0.5333, 0.3255, 0.5412
CMYK	0.31, 0.00, 0.32, 0.33
HSL	118°, 25%, 57%
HSV	118°, 32%, 67%
XYZ	25.5712, 34.7113, 22.1818
YIQ	149.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

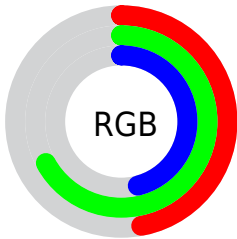
Format	Color
RYB	117, 172, 170
Decimal	7842933
CIELab	65.52, -28.61, 22.88
CIELCh	66, 36.633, 141.358
Yxy	34.7113, 0.3101, 0.4209
Android (android.graphics.Color)	4286033013 (0xFF77AC75)
YUV	149.8830, -16.2113, -27.0844
Hunter-Lab	58.9163, -25.6301, 18.9189

Details

The RYB color **117, 172, 170** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **170, 117, 172**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **169, 228, 224**, and **68, 119, 119** is the 20% darker color. If you saturate the color by 10%, you get **100, 172, 170**, and if you desaturate by 10%, it is **134, 172, 170**.

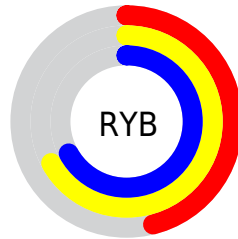
Distribution



Red (47%)

Green (67%)

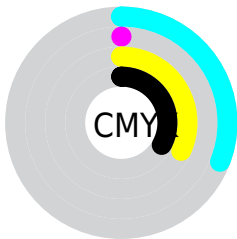
Blue (46%)



Red (46%)

Yellow (67%)

Blue (67%)

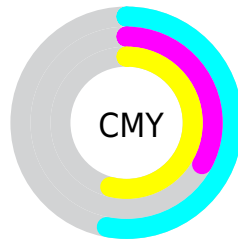


Cyan (31%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 172, 170 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, 172, 170 by changing the saturation by 10% instead.

 117, 172, 170


255, 255, 255

 169, 228, 224

 197, 255, 251


 225, 255, 251


254, 255, 254

 117, 172, 170

 100, 172, 170

 117, 172, 170

 92, 145, 144

 68, 119, 119


 43, 92, 94


 17, 65, 70


 0, 47, 47


 0, 28, 28


 0, 0, 0

 117, 172, 170


 134, 172, 170

 83, 172, 169


 151, 172, 171


 65, 172, 168


 169, 172, 172

 48, 172, 167

 185, 172, 186

 31, 172, 167

 202, 172, 203

 14, 172, 166

 218, 172, 220

 0, 172, 166

 235, 172, 237

 252, 172, 255

 255, 172, 255

Harmonies

Analogous

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



97, 164, 104



117, 172, 170



75, 134, 176

Triad

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



117, 172, 170



94, 140, 223



223, 135, 137

Complementary

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



117, 172, 170



170, 117, 172

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.



216, 134, 170



117, 172, 170



149, 154, 220

Square

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



117, 172, 170



28, 109, 209



191, 142, 200



213, 160, 109

Rectangle

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



117, 172, 170



40, 110, 177



191, 142, 200



223, 133, 148

Sweetspot

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



117, 172, 170



202, 224, 223



120, 172, 117



99, 112, 112



240, 240, 240



112, 112, 112

Same Dimension

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



117, 172, 170



139, 224, 221



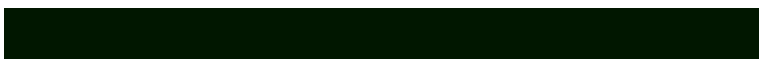
117, 155, 172



78, 87, 87



0, 150, 145



0, 23, 22

Inverse Universe

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



170, 117, 172



221, 139, 224



172, 117, 147



86, 78, 87



145, 0, 150



22, 0, 23

Previews

White Background



This preview shows how the RYB color 117, 172, 170 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, 172, 170 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, 172, 170 Background



This preview shows how black text looks on a background with the RYB color 117, 172, 170.

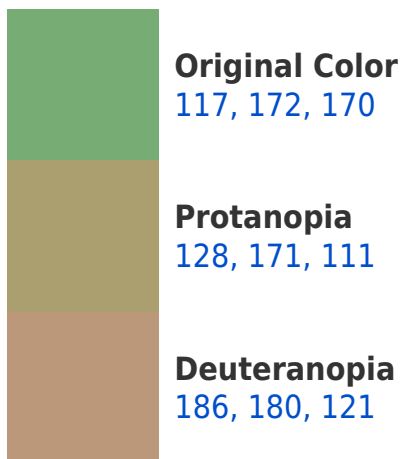


This preview shows how white text looks on a background with the RYB color 117, 172, 170.

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
130, 150, 178

Trichromacy



Original Color
117, 172, 170

Protanomaly
113, 163, 124

Deuteranomaly
123, 162, 120

Tritanomaly
126, 150, 167

Monochromacy



Original Color
117, 172, 170

Achromatopsia
150, 150, 150

Achromatomaly
138, 158, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 172, 170 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(119, 172, 117)` looks like.

```
.text, #text, p{  
    color:rgb(119, 172, 117)  
}
```

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(119, 172, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 172, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 172, 170 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(119, 172, 117) }
```

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

```
.border{ border-color:rgb(119, 172, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 172, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 172, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 172, 117);  
box-shadow:4px 4px 4px 4px rgb(119, 172,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 172, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 172, 117) }
```

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

```
.background{ background-color: rgb(119,  
172, 117) }
```

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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