

Converting Colors

`RYB(154, 172, 117)`

Have a look what the booklet for
RYB(154, 172, 117) contains.

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Color

R_YB(154, 172, 117)

Conversions

Conversions Part 1

Format	Color
Hex	AC9675
RGB	172, 150, 117
RGB Percent	67%, 59%, 46%
CMY	0.3255, 0.4122, 0.5412
CMYK	0.00, 0.13, 0.32, 0.33
HSL	36°, 25%, 57%
HSV	36°, 32%, 67%
XYZ	31.1114, 31.8296, 21.3336
YIQ	152.8160, 23.7050, -5.5990

Conversions

Conversions Part 2

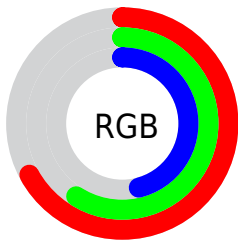
Format	Color
RYB	154, 172, 117
Decimal	11310709
CIELab	63.20, 3.20, 20.39
CIELCh	63, 20.642, 81.086
Yxy	31.8296, 0.3692, 0.3777
Android (android.graphics.Color)	4289500789 (0xFFAC9675)
YUV	152.8160, -17.6573, 16.8244
Hunter-Lab	56.4177, -0.2975, 17.0727

Details

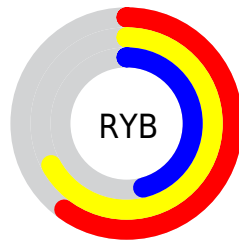
The RYB color **154, 172, 117** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **117, 133, 172**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **209, 228, 169**, and **101, 119, 68** is the 20% darker color. If you saturate the color by 10%, you get **149, 172, 100**, and if you desaturate by 10%, it is **159, 172, 134**.

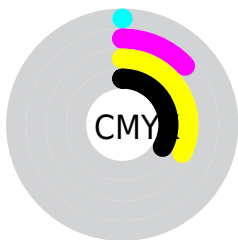
Distribution



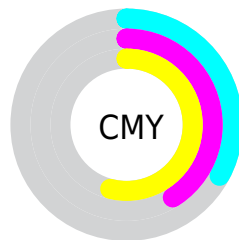
- Red (67%)
- Green (59%)
- Blue (46%)



- Red (60%)
- Yellow (67%)
- Blue (46%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (33%)




- Cyan (33%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 154, 172, 117 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 154, 172, 117 by changing the saturation by 10% instead.

 154, 172, 117


255, 255, 255

 209, 228, 169

 235, 255, 197

 225, 255, 225


253, 255, 253

 154, 172, 117

 149, 172, 100

 154, 172, 117

 127, 145, 92

 101, 119, 68


 75, 93, 46


 49, 69, 24


 20, 46, 0

 22, 15, 0

 0, 0, 0


 154, 172, 117

 159, 172, 134


 143, 172, 83

 164, 172, 151


 137, 172, 65

 171, 172, 169


 132, 172, 48


 172, 176, 186


 127, 172, 31

 172, 181, 203

 122, 172, 14

 172, 186, 220

 115, 172, 0

 172, 191, 237

 172, 196, 255

 172, 199, 255

Harmonies

Analogous

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



186, 153, 125



154, 172, 117



119, 156, 122

Triad

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



154, 172, 117



102, 133, 165



171, 144, 176

Complementary

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



154, 172, 117



117, 133, 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.



149, 150, 187



154, 172, 117



105, 137, 181

Square

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



154, 172, 117



113, 143, 163



124, 145, 189



186, 140, 159

Rectangle

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



154, 172, 117



125, 159, 145



124, 145, 189



165, 146, 181

Sweetspot

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



154, 172, 117



217, 224, 202



172, 117, 140



107, 112, 99



240, 240, 240



112, 112, 112

Same Dimension

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



154, 172, 117



196, 224, 139



117, 172, 122



85, 87, 78



100, 150, 0



15, 23, 0

Inverse Universe

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



117, 133, 172



139, 163, 224



122, 117, 172



78, 81, 87



0, 43, 150



0, 6, 23

Previews

White Background



This preview shows how the RYB color 154, 172, 117 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 154, 172, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

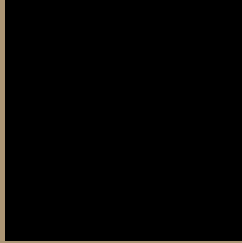
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

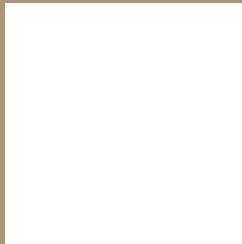
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 154, 172, 117 Background



This preview shows how black text looks on a background with the RYB color 154, 172, 117.



This preview shows how white text looks on a background with the RYB color 154, 172, 117.

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
154, 172, 117

Protanopia
131, 163, 118

Deuteranopia
180, 172, 118



Tritanopia
176, 145, 156

Trichromacy



Original Color

154, 172, 117

Protanomaly

138, 166, 118

Deuteranomaly

175, 177, 118

Tritanomaly

175, 148, 142

Monochromacy



Original Color

154, 172, 117

Achromatopsia

153, 153, 153

Achromatomaly

153, 160, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 154, 172, 117 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(172, 150, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 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(172, 150, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 117) }
```

Border

The CSS property to change the border of an element to RYB 154, 172, 117 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(172, 150, 117) }
```

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

```
.border{ border-color:rgb(172, 150, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 150, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 150, 117);  
box-shadow:4px 4px 4px 4px rgb(172, 150,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 154, 172, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 117) }
```

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

```
.background{ background-color: rgb(172,  
150, 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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