

Converting Colors

`RYB(165, 172, 150)`

Have a look what the booklet for
RYB(165, 172, 150) contains.

RYB(165, 172, 150)	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

R_YB(165, 172, 150)

Conversions

Conversions Part 1

Format	Color
Hex	ACA396
RGB	172, 163, 150
RGB Percent	67%, 64%, 59%
CMY	0.3255, 0.3605, 0.4118
CMYK	0.00, 0.05, 0.13, 0.33
HSL	36°, 12%, 63%
HSV	36°, 13%, 67%
XYZ	35.6299, 37.1959, 34.1558
YIQ	164.2090, 9.5370, -2.1350

Conversions

Conversions Part 2

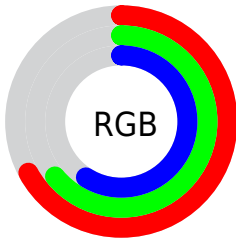
Format	Color
RYB	165, 172, 150
Decimal	11314070
CIELab	67.42, 0.93, 7.94
CIElCh	67, 7.995, 83.288
Yxy	37.1959, 0.3330, 0.3477
Android (android.graphics.Color)	4289504150 (0xFFACA396)
YUV	164.2090, -7.0050, 6.8327
Hunter-Lab	60.9884, -2.4487, 9.4873

Details

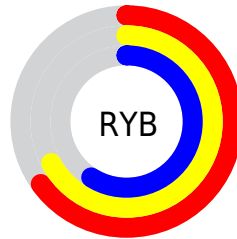
The RYB color **165, 172, 150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **150, 156, 172**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **219, 227, 204**, and **115, 120, 99** is the 20% darker color. If you saturate the color by 10%, you get **160, 172, 133**, and if you desaturate by 10%, it is **170, 172, 167**.

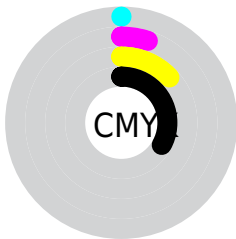
Distribution



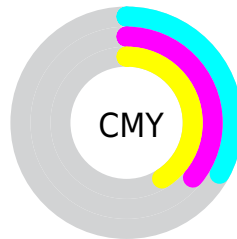
- Red (67%)
- Green (64%)
- Blue (59%)



- Red (65%)
- Yellow (67%)
- Blue (59%)



- Cyan (0%)
- Magenta (5%)
- Yellow (13%)
- Black (33%)



- Cyan (33%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 172, 150 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 165, 172, 150 by changing the saturation by 10% instead.


 165, 172, 150

255, 255, 255

 219, 227, 204

 247, 255, 232

 165, 172, 150

 137, 145, 124

 115, 120, 99

 88, 95, 75

 64, 71, 53


 40, 48, 31

 17, 28, 8

 0, 0, 0

 165, 172, 150

 160, 172, 133

 165, 172, 150

 170, 172, 167

■ 155, 172, 116

■ 172, 176, 184

■ 148, 172, 98

■ 172, 181, 202

■ 143, 172, 81

■ 172, 186, 219

■ 138, 172, 64

■ 172, 190, 236

■ 133, 172, 47

■ 172, 195, 253

■ 128, 172, 30

■ 172, 199, 255

■ 121, 172, 12

■ 172, 202, 255

■ 118, 172, 0

■ 172, 205, 255

Harmonies

Analogous

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



178, 165, 153



165, 172, 150



151, 165, 152

Triad

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



165, 172, 150



146, 157, 170



172, 161, 173

Complementary

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



165, 172, 150



150, 156, 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.



164, 163, 177



165, 172, 150



149, 160, 175

Square

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



165, 172, 150



149, 160, 168



155, 162, 178



178, 160, 166

Rectangle

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



165, 172, 150



154, 167, 163



155, 162, 178



170, 161, 175

Sweetspot

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



165, 172, 150



220, 224, 215



172, 150, 159



110, 112, 107



240, 240, 240



112, 112, 112

Same Dimension

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



165, 172, 150



212, 224, 191



150, 172, 152



85, 87, 78



103, 150, 0



15, 23, 0

Inverse Universe

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



150, 156, 172



191, 200, 224



152, 150, 172



78, 81, 87



0, 43, 150



0, 6, 23

Previews

White Background



This preview shows how the RYB color 165, 172, 150 looks on a white background.

Color Contrast Check

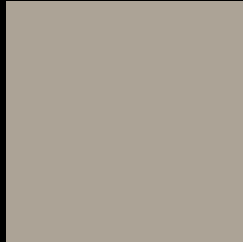
Large Text (above 18pt) WCAG AA × Fail

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 165, 172, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

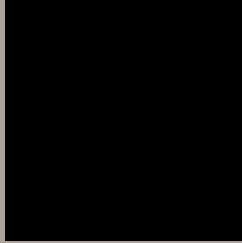
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

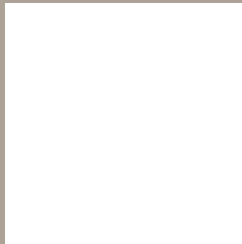
Any Text WCAG AAA ✓ Pass

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

RYB 165, 172, 150 Background



This preview shows how black text looks on a background with the RYB color 165, 172, 150.



This preview shows how white text looks on a background with the RYB color 165, 172, 150.

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

165, 172, 150

Protanopia

159, 170, 150

Deuteranopia

185, 160, 151



Tritanopia
175, 160, 172

Trichromacy



Original Color

165, 172, 150

Protanomaly

161, 171, 150

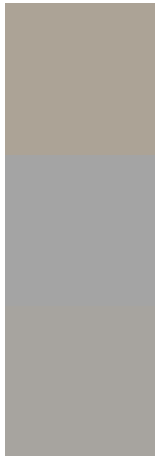
Deuteranomaly

180, 164, 151

Tritanomaly

174, 161, 164

Monochromacy



Original Color

165, 172, 150

Achromatopsia

164, 164, 164

Achromatomaly

164, 167, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 172, 150 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, 163, 150) looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 150)  
}
```

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, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 150) }
```

Border

The CSS property to change the border of an element to RYB 165, 172, 150 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, 163, 150) }
```

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

```
.border{ border-color:rgb(172, 163, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 165, 172, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 150) }
```

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

```
.background{ background-color: rgb(172,  
163, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor