

Converting Colors

`RYB(172, 181, 112)`

Have a look what the booklet for
RYB(172, 181, 112) contains.

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Color

R_YB(172, 181, 112)

Conversions

Conversions Part 1

Format	Color
Hex	B59570
RGB	181, 149, 112
RGB Percent	71%, 58%, 44%
CMY	0.2902, 0.4161, 0.5608
CMYK	0.00, 0.18, 0.38, 0.29
HSL	32°, 32%, 57%
HSV	32°, 38%, 71%
XYZ	32.7134, 32.4591, 19.8703
YIQ	154.3500, 30.9490, -4.7230

Conversions

Conversions Part 2

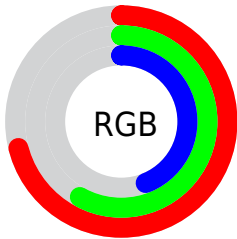
Format	Color
RYB	172, 181, 112
Decimal	11900272
CIELab	63.72, 6.78, 24.01
CIELCh	64, 24.945, 74.232
Yxy	32.4591, 0.3847, 0.3817
Android (android.graphics.Color)	4290090352 (0xFFB59570)
YUV	154.3500, -20.8785, 23.3721
Hunter-Lab	56.9729, 2.7909, 19.2026

Details

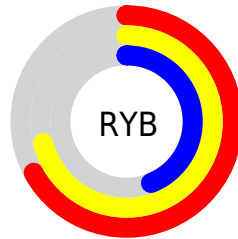
The RYB color **172, 181, 112** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **112, 134, 181**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **230, 238, 164**, and **118, 127, 64** is the 20% darker color. If you saturate the color by 10%, you get **172, 181, 94**, and if you desaturate by 10%, it is **175, 181, 130**.

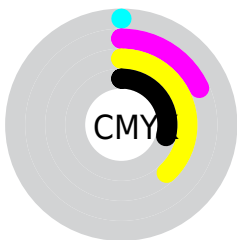
Distribution



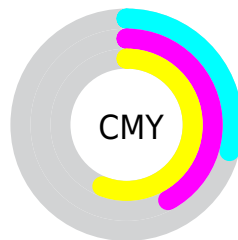
- Red (71%)
- Green (58%)
- Blue (44%)



- Red (67%)
- Yellow (71%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (29%)




- Cyan (29%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 181, 112 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 172, 181, 112 by changing the saturation by 10% instead.

 172, 181, 112


255, 255, 255

 230, 238, 164

 229, 255, 191

 219, 255, 219

 248, 255, 248

 172, 181, 112

 145, 154, 87

 118, 127, 64

 87, 101, 41

 60, 75, 20

 35, 52, 0


 28, 11, 0


 0, 0, 0

 172, 181, 112

 172, 181, 94

 172, 181, 112

 175, 181, 130


 168, 181, 76

 176, 181, 148


 164, 181, 58

 179, 181, 166


 164, 181, 40

 181, 182, 184


 159, 181, 21


 181, 188, 203

 159, 181, 3

 181, 193, 221

 157, 181, 0

 181, 199, 239

 181, 205, 255

 181, 209, 255

Harmonies

Analogous

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



195, 148, 124



172, 181, 112



115, 160, 111

Triad

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



172, 181, 112



90, 129, 167



171, 145, 186

Complementary

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



172, 181, 112



112, 134, 181

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.



142, 151, 197



172, 181, 112



89, 131, 185

Square

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



172, 181, 112



109, 145, 166



110, 142, 197



191, 139, 167

Rectangle

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



172, 181, 112



117, 161, 135



110, 142, 197



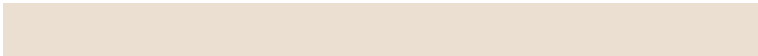
162, 148, 191

Sweetspot

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



172, 181, 112



231, 235, 209



181, 112, 144



115, 117, 102



245, 245, 245



117, 117, 117

Same Dimension

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



172, 181, 112



224, 235, 127



112, 181, 114



87, 89, 80



132, 153, 0



22, 26, 0

Inverse Universe

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



112, 134, 181



127, 161, 235



114, 112, 181



80, 83, 89



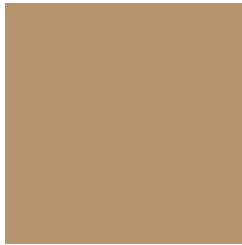
0, 48, 153



0, 8, 26

Previews

White Background



This preview shows how the RYB color 172, 181, 112 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 172, 181, 112 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 172, 181, 112 Background



This preview shows how black text looks on a background with the RYB color 172, 181, 112.



This preview shows how white text looks on a background with the RYB color 172, 181, 112.

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
[172](#), [181](#), [112](#)

Protanopia
[130](#), [166](#), [114](#)

Deuteranopia
[181](#), [183](#), [112](#)



Tritanopia
185, 143, 154

Trichromacy



Original Color

172, 181, 112

Protanomaly

141, 171, 113

Deuteranomaly

178, 182, 112

Tritanomaly

184, 146, 139

Monochromacy



Original Color

172, 181, 112

Achromatopsia

154, 154, 154

Achromatomaly

162, 164, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 181, 112 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(181, 149, 112)` looks like.

```
.text, #text, p{  
    color:rgb(181, 149, 112)  
}
```

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(181, 149, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 149, 112) }
```

Border

The CSS property to change the border of an element to RYB 172, 181, 112 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(181, 149, 112) }
```

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

```
.border{ border-color:rgb(181, 149, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 149, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 149, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 149, 112); box-shadow:4px 4px 4px 4px rgb(181, 149, 112) }
```

Background

The CSS property to change the background color of an element to RYB 172, 181, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 149, 112) }
```

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

```
.background{ background-color: rgb(181,  
149, 112) }
```

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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