

Converting Colors

`RYB(170, 150, 112)`

Have a look what the booklet for
RYB(170, 150, 112) contains.

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Color

R_YB(170, 150, 112)

Conversions

Conversions Part 1

Format	Color
Hex	AA8770
RGB	170, 135, 112
RGB Percent	67%, 53%, 44%
CMY	0.3333, 0.4708, 0.5608
CMYK	0.00, 0.21, 0.34, 0.33
HSL	24°, 25%, 55%
HSV	24°, 34%, 67%
XYZ	28.1604, 27.0322, 19.0628
YIQ	142.8430, 28.2430, 0.2670

Conversions

Conversions Part 2

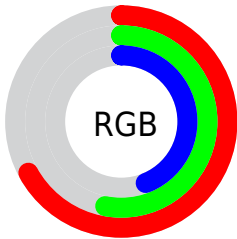
Format	Color
R_{YB}	170, 150, 112
Decimal	11175792
CIE Lab	59.00, 10.03, 17.43
CIE LCh	59, 20.113, 60.078
Yxy	27.0322, 0.3792, 0.3640
Android (android.graphics.Color)	4289365872 (0xFFAA8770)
YUV	142.8430, -15.2056, 23.8167
Hunter-Lab	51.9925, 5.6928, 14.6564

Details

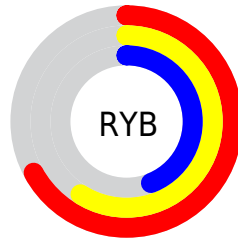
The RYB color **170, 150, 112** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **112, 134, 170**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **226, 203, 164**, and **117, 99, 64** is the 20% darker color. If you saturate the color by 10%, you get **170, 145, 95**, and if you desaturate by 10%, it is **170, 155, 129**.

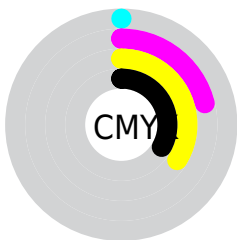
Distribution



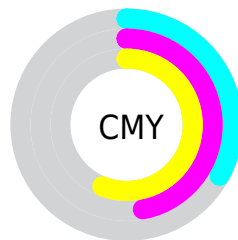
- Red (67%)
- Green (53%)
- Blue (44%)



- Red (67%)
- Yellow (59%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 150, 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 170, 150, 112 by changing the saturation by 10% instead.

 170, 150, 112


255, 255, 255


 226, 203, 164

 255, 232, 191


 235, 255, 219

 247, 255, 247


 170, 150, 112

 170, 145, 95

 170, 150, 112

 143, 126, 87

 117, 99, 64


 91, 76, 42

 66, 54, 21


 44, 33, 0

 14, 0, 0


 0, 0, 0


 170, 150, 112


 170, 155, 129


 170, 137, 78


 170, 160, 146


 170, 132, 61


 170, 168, 163


 170, 127, 44

 170, 174, 180


 170, 122, 27


 170, 180, 197

 170, 114, 10

 170, 187, 214

 170, 111, 0

 170, 193, 231

 170, 199, 248

 170, 204, 255

Harmonies

Analogous

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



178, 132, 125



170, 150, 112



127, 155, 107

Triad

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



170, 150, 112



99, 129, 152



145, 137, 172

Complementary

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



170, 150, 112



112, 134, 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.



121, 137, 177



170, 150, 112



92, 123, 159

Square

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



170, 150, 112



116, 144, 150



100, 129, 172



165, 132, 160

Rectangle

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



170, 150, 112



109, 145, 111



100, 129, 172



137, 140, 175

Sweetspot

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



170, 150, 112



222, 213, 200



170, 112, 148



112, 107, 99



240, 240, 240



112, 112, 112

Same Dimension

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



170, 150, 112



222, 191, 131



120, 170, 112



84, 81, 76



148, 98, 0



20, 13, 0

Inverse Universe

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



112, 134, 170



131, 165, 222



112, 118, 170



76, 79, 84



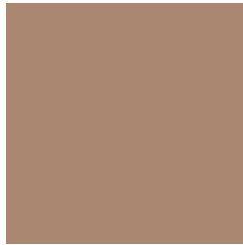
0, 56, 148



0, 8, 20

Previews

White Background



This preview shows how the RYB color 170, 150, 112 looks on a white background.

Color Contrast Check

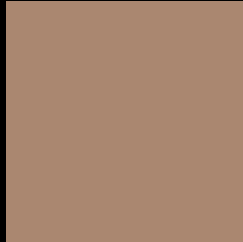
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 150, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

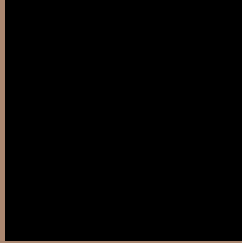
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 170, 150, 112 Background



This preview shows how black text looks on a background with the RYB color 170, 150, 112.



This preview shows how white text looks on a background with the RYB color 170, 150, 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
170, 150, 112

Protanopia
127, 151, 115

Deuteranopia
166, 159, 112



Tritanopia
173, 131, 141

Trichromacy



Original Color

170, 150, 112

Protanomaly

147, 158, 114

Deuteranomaly

167, 155, 112

Tritanomaly

172, 132, 130

Monochromacy



Original Color

170, 150, 112

Achromatopsia

143, 143, 143

Achromatomaly

153, 145, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 150, 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(170, 135, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 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(170, 135, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 112) }
```

Border

The CSS property to change the border of an element to RYB 170, 150, 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(170, 135, 112) }
```

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

```
.border{ border-color:rgb(170, 135, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 135, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 135, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 135, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 135,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 170, 150, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 112) }
```

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

```
.background{ background-color: rgb(170,  
135, 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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