

Converting Colors

`RYB(156, 170, 112)`

Have a look what the booklet for
RYB(156, 170, 112) contains.

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Color

R_YB(156, 170, 112)

Conversions

Conversions Part 1

Format	Color
Hex	AA9170
RGB	170, 145, 112
RGB Percent	67%, 57%, 44%
CMY	0.3333, 0.4314, 0.5608
CMYK	0.00, 0.15, 0.34, 0.33
HSL	34°, 25%, 55%
HSV	34°, 34%, 67%
XYZ	29.6246, 29.9607, 19.5508
YIQ	148.7130, 25.4930, -4.9630

Conversions

Conversions Part 2

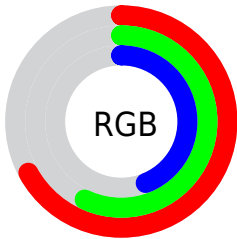
Format	Color
R_{YB}	156, 170, 112
Decimal	11178352
CIE _{Lab}	61.62, 4.44, 21.00
CIE _{LCh}	62, 21.460, 78.070
Yxy	29.9607, 0.3743, 0.3786
Android (android.graphics.Color)	4289368432 (0xFFAA9170)
YUV	148.7130, -18.0995, 18.6687
Hunter-Lab	54.7364, 0.8197, 17.1381

Details

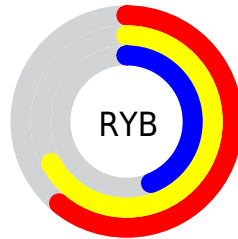
The RYB color **156, 170, 112** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **112, 129, 170**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **212, 226, 164**, and **102, 117, 64** is the 20% darker color. If you saturate the color by 10%, you get **151, 170, 95**, and if you desaturate by 10%, it is **161, 170, 129**.

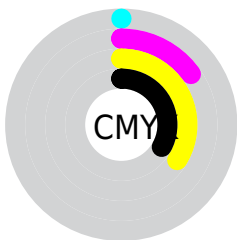
Distribution



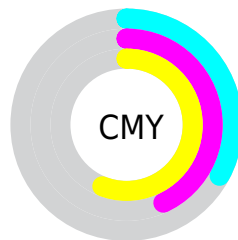
- Red (67%)
- Green (57%)
- Blue (44%)



- Red (61%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (15%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 170, 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 156, 170, 112 by changing the saturation by 10% instead.

 156, 170, 112

255, 255, 255


 212, 226, 164

 241, 255, 191

 219, 255, 219


 248, 255, 248

 156, 170, 112

 151, 170, 95

 156, 170, 112

 129, 143, 87

 102, 117, 64

 74, 91, 41


 49, 67, 20


 25, 44, 0

 18, 2, 0

 0, 0, 0


 156, 170, 112

 161, 170, 129


 149, 170, 78

 163, 170, 146


 144, 170, 61


 168, 170, 163


 139, 170, 44

 170, 173, 180


 136, 170, 27


 170, 178, 197


 131, 170, 10

 170, 183, 214

 128, 170, 0

 170, 188, 231

 170, 194, 248

 170, 198, 255

Harmonies

Analogous

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



183, 146, 121



156, 170, 112



113, 151, 113

Triad

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



156, 170, 112



95, 128, 160



166, 140, 174

Complementary

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



156, 170, 112



112, 129, 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.



142, 146, 185



156, 170, 112



97, 131, 176

Square

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



156, 170, 112



109, 140, 159



116, 140, 185



182, 136, 157

Rectangle

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



156, 170, 112



119, 155, 137



116, 140, 185



158, 142, 179

Sweetspot

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



156, 170, 112



218, 222, 200



170, 112, 137



110, 112, 99



240, 240, 240



112, 112, 112

Same Dimension

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



156, 170, 112



199, 222, 131



112, 170, 116



81, 84, 76



113, 148, 0



13, 20, 0

Inverse Universe

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



112, 129, 170



131, 158, 222



116, 112, 170



76, 78, 84



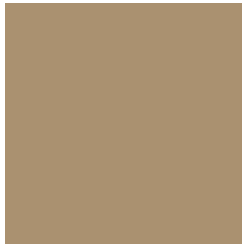
0, 45, 148



0, 6, 20

Previews

White Background



This preview shows how the RYB color 156, 170, 112 looks on a white background.

Color Contrast Check

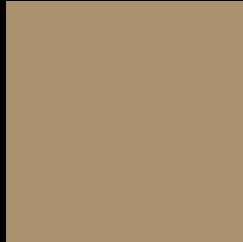
Large Text (above 18pt) WCAG AA ✓ Pass

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 156, 170, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

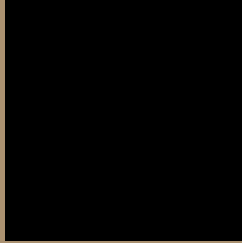
Any Text WCAG AA ✓ Pass

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 156, 170, 112 Background



This preview shows how black text looks on a background with the RYB color 156, 170, 112.



This preview shows how white text looks on a background with the RYB color 156, 170, 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
156, 170, 112

Protanopia
127, 159, 114

Deuteranopia
175, 173, 112



Tritanopia
174, 140, 151

Trichromacy



Original Color
156, 170, 112

Protanomaly
134, 163, 113

Deuteranomaly
167, 173, 112

Tritanomaly
173, 143, 137

Monochromacy



Original Color
156, 170, 112

Achromatopsia
149, 149, 149

Achromatomaly
152, 157, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 170, 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, 145, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 145, 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, 145, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 145, 112) }
```

Border

The CSS property to change the border of an element to RYB 156, 170, 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, 145, 112) }
```

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

```
.border{ border-color:rgb(170, 145, 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, 145, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 145, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 145, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 145,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 156, 170, 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, 145, 112) }
```

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

```
.background{ background-color: rgb(170,  
145, 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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