

Converting Colors

`RYB(163, 149, 111)`

Have a look what the booklet for
RYB(163, 149, 111) contains.

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Color

R_YB(163, 149, 111)

Conversions

Conversions Part 1

Format	Color
Hex	A3856F
RGB	163, 133, 111
RGB Percent	64%, 52%, 44%
CMY	0.3608, 0.4786, 0.5647
CMYK	0.00, 0.18, 0.32, 0.36
HSL	25°, 22%, 54%
HSV	25°, 32%, 64%
XYZ	26.3549, 25.6971, 18.6099
YIQ	139.4620, 24.9420, -0.4820

Conversions

Conversions Part 2

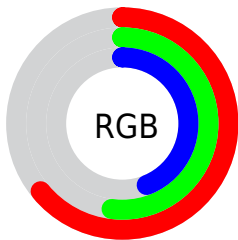
Format	Color
R_{YB}	163, 149, 111
Decimal	10716527
CIE _{Lab}	57.75, 8.16, 16.16
CIE _{LCh}	58, 18.106, 63.198
Yxy	25.6971, 0.3730, 0.3637
Android (android.graphics.Color)	4288906607 (0xFFA3856F)
YUV	139.4620, -14.0318, 20.6428
Hunter-Lab	50.6923, 4.0906, 13.7184

Details

The RYB color **163, 149, 111** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **111, 130, 163**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **219, 202, 163**, and **110, 101, 63** is the 20% darker color. If you saturate the color by 10%, you get **163, 146, 95**, and if you desaturate by 10%, it is **163, 153, 127**.

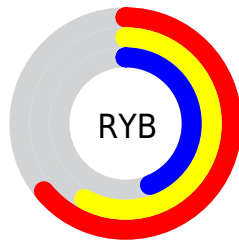
Distribution



Red (64%)

Green (52%)

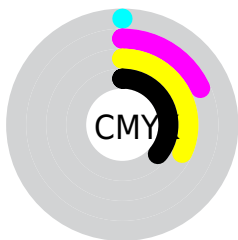
Blue (44%)



Red (64%)

Yellow (58%)

Blue (44%)

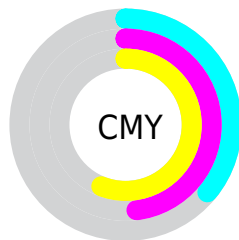


Cyan (0%)

Magenta (18%)

Yellow (32%)

Black (36%)



Cyan (36%)

Magenta (48%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 149, 111 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 163, 149, 111 by changing the saturation by 10% instead.

■ 163, 149, 111

255, 255, 255

■ 219, 202, 163

■ 247, 231, 190

■ 238, 255, 218

■ 246, 255, 246

■ 163, 149, 111

■ 163, 146, 95

■ 163, 140, 78

■ 163, 149, 111

■ 136, 124, 87

■ 110, 98, 63

■ 85, 74, 41

■ 61, 55, 20


■ 39, 33, 0

■ 0, 0, 0


■ 163, 149, 111

■ 163, 153, 127


■ 163, 158, 144

 163, 137, 62


 163, 162, 160

 163, 130, 46

 163, 168, 176


 163, 127, 30

 163, 174, 193

 163, 122, 13

 163, 180, 209

 163, 120, 0

 163, 186, 225

 163, 192, 241

 163, 197, 255

Harmonies

Analogous

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



171, 130, 122



163, 149, 111



122, 149, 107

Triad

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



163, 149, 111



100, 126, 148



144, 134, 165

Complementary

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



163, 149, 111



111, 130, 163

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.



122, 135, 170



163, 149, 111



95, 123, 155

Square

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



163, 149, 111



114, 138, 146



104, 128, 166



161, 130, 153

Rectangle

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



163, 149, 111



110, 142, 114



104, 128, 166



137, 136, 168

Sweetspot

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



163, 149, 111



212, 205, 190



163, 111, 141



107, 105, 94



235, 235, 235



107, 107, 107

Same Dimension

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



163, 149, 111



212, 190, 131



115, 163, 111



82, 80, 73



145, 105, 0



18, 14, 0

Inverse Universe

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



111, 130, 163



131, 161, 212



111, 115, 163



73, 76, 82



0, 53, 145



0, 6, 18

Previews

White Background



This preview shows how the RYB color 163, 149, 111 looks on a white background.

Color Contrast Check

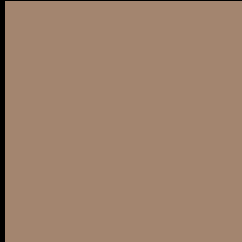
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 149, 111 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 163, 149, 111 Background



This preview shows how black text looks on a background with the RYB color 163, 149, 111.



This preview shows how white text looks on a background with the RYB color 163, 149, 111.

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

163, 149, 111

Protanopia

125, 147, 114

Deuteranopia

162, 150, 111



Tritanopia
166, 129, 139

Trichromacy



Original Color

163, 149, 111

Protanomaly

140, 153, 113

Deuteranomaly

162, 150, 111

Tritanomaly

165, 130, 129

Monochromacy



Original Color

163, 149, 111

Achromatopsia

139, 139, 139

Achromatomaly

148, 143, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 149, 111 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(163, 133, 111)` looks like.

```
.text, #text, p{  
    color:rgb(163, 133, 111)  
}
```

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(163, 133, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 133, 111) }
```

Border

The CSS property to change the border of an element to RYB 163, 149, 111 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(163, 133, 111) }
```

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

```
.border{ border-color:rgb(163, 133, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 133, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 133, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 133, 111);  
box-shadow:4px 4px 4px 4px rgb(163, 133,  
111) }
```

Background

The CSS property to change the background color of an element to RYB 163, 149, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 133, 111) }
```

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

```
.background{ background-color: rgb(163,  
133, 111) }
```

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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