

Converting Colors

`RYB(162, 183, 109)`

Have a look what the booklet for
RYB(162, 183, 109) contains.

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Color

R_YB(162, 183, 109)

Conversions

Conversions Part 1

Format	Color
Hex	B7986D
RGB	183, 152, 109
RGB Percent	72%, 60%, 43%
CMY	0.2824, 0.4035, 0.5725
CMYK	0.00, 0.17, 0.40, 0.28
HSL	35°, 34%, 57%
HSV	35°, 40%, 72%
XYZ	33.5362, 33.6662, 19.1987
YIQ	156.3670, 32.2790, -6.8010

Conversions

Conversions Part 2

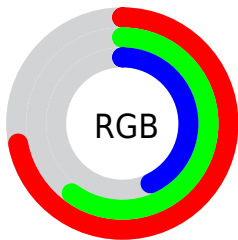
Format	Color
RYB	162, 183, 109
Decimal	12032109
CIELab	64.70, 5.48, 26.98
CIELCh	65, 27.534, 78.512
Yxy	33.6662, 0.3881, 0.3897
Android (android.graphics.Color)	4290222189 (0xFFB7986D)
YUV	156.3670, -23.3519, 23.3571
Hunter-Lab	58.0226, 1.6307, 20.9978

Details

The RYB color **162, 183, 109** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **109, 131, 183**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **221, 240, 161**, and **106, 128, 61** is the 20% darker color. If you saturate the color by 10%, you get **159, 183, 91**, and if you desaturate by 10%, it is **166, 183, 127**.

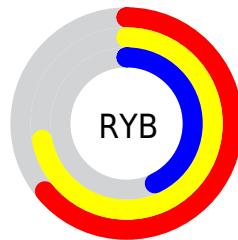
Distribution



Red (72%)

Green (60%)

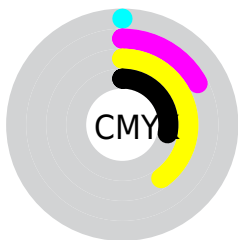
Blue (43%)



Red (64%)

Yellow (72%)

Blue (43%)

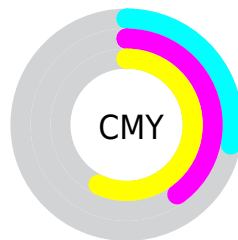


Cyan (0%)

Magenta (17%)

Yellow (40%)

Black (28%)



Cyan (28%)


Magenta (40%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 183, 109 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 162, 183, 109 by changing the saturation by 10% instead.

 162, 183, 109


255, 255, 255

 221, 240, 161

 219, 255, 188

 216, 255, 216


 245, 255, 245

 162, 183, 109

 133, 155, 84

 106, 128, 61

 79, 102, 38

 50, 77, 16


 32, 53, 0


 29, 20, 0

 0, 0, 0

 162, 183, 109

 159, 183, 91

 162, 183, 109

 166, 183, 127

■ 151, 183, 72

■ 174, 183, 146

■ 147, 183, 54

■ 178, 183, 164

■ 140, 183, 36

■ 182, 183, 182

■ 135, 183, 17

■ 183, 188, 201

■ 130, 183, 0

■ 183, 194, 219

■ 183, 199, 237

■ 183, 204, 255

■ 183, 208, 255

Harmonies

Analogous

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



200, 153, 121



162, 183, 109



110, 160, 111

Triad

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



162, 183, 109



82, 126, 172



179, 145, 190

Complementary

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



162, 183, 109



109, 131, 183

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.



147, 153, 203



162, 183, 109



84, 131, 193

Square

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



162, 183, 109



103, 144, 170



111, 144, 205



200, 140, 167

Rectangle

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



162, 183, 109



118, 165, 143



111, 144, 205



169, 148, 195

Sweetspot

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



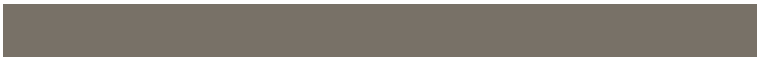
162, 183, 109



230, 237, 209



183, 109, 141



115, 120, 103



247, 247, 247



120, 120, 120

Same Dimension

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



162, 183, 109



203, 237, 121



109, 183, 114



90, 92, 83



111, 156, 0



21, 28, 0

Inverse Universe

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



109, 131, 183



121, 155, 237



114, 109, 183



83, 85, 92



0, 46, 156



0, 8, 28

Previews

White Background



This preview shows how the RYB color 162, 183, 109 looks on a white background.

Color Contrast Check

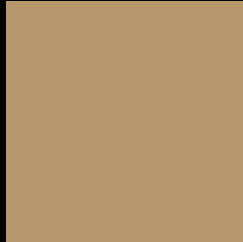
Large Text (above 18pt) WCAG AA × Fail

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 162, 183, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

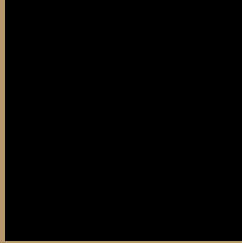
Any Text WCAG AA ✓ Pass

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 162, 183, 109 Background



This preview shows how black text looks on a background with the RYB color 162, 183, 109.



This preview shows how white text looks on a background with the RYB color 162, 183, 109.

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
162, 183, 109

Protanopia
126, 169, 111

Deuteranopia
179, 187, 109



Tritanopia
188, 146, 157

Trichromacy



Original Color
162, 183, 109

Protanomaly
137, 174, 110

Deuteranomaly
173, 186, 109

Tritanomaly
186, 150, 140

Monochromacy



Original Color
162, 183, 109

Achromatopsia
156, 156, 156

Achromatomaly
158, 166, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 183, 109 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(183, 152, 109)` looks like.

```
.text, #text, p{  
    color:rgb(183, 152, 109)  
}
```

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(183, 152, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 152, 109) }
```

Border

The CSS property to change the border of an element to RYB 162, 183, 109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

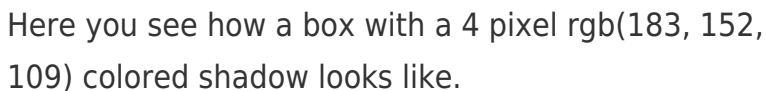
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 152, 109) }
```

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

```
.border{ border-color:rgb(183, 152, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 152, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 152, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 152, 109);  
box-shadow:4px 4px 4px 4px rgb(183, 152,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 162, 183, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 152, 109) }
```

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

```
.background{ background-color: rgb(183,  
152, 109) }
```

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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