

Converting Colors

`RYB(168, 183, 99)`

Have a look what the booklet for
RYB(168, 183, 99) contains.

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Color

`RYB(168, 183, 99)`

Conversions

Conversions Part 1

Format	Color
Hex	B79163
RGB	183, 145, 99
RGB Percent	72%, 57%, 39%
CMY	0.2824, 0.4309, 0.6118
CMYK	0.00, 0.21, 0.46, 0.28
HSL	33°, 37%, 55%
HSV	33°, 46%, 72%
XYZ	31.9240, 31.2549, 16.1546
YIQ	151.1180, 37.4140, -6.2500

Conversions

Conversions Part 2

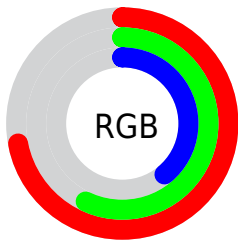
Format	Color
RYB	168, 183, 99
Decimal	12030307
CIELab	62.72, 8.24, 29.85
CIELCh	63, 30.966, 74.568
Yxy	31.2549, 0.4024, 0.3940
Android (android.graphics.Color)	4290220387 (0xFFB79163)
YUV	151.1180, -25.6942, 27.9605
Hunter-Lab	55.9061, 4.0929, 22.0018

Details

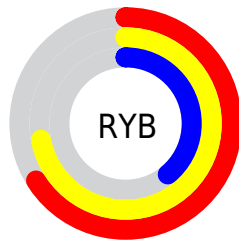
The RYB color **168, 183, 99** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **99, 125, 183**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **228, 241, 150**, and **109, 128, 51** is the 20% darker color. If you saturate the color by 10%, you get **165, 183, 81**, and if you desaturate by 10%, it is **172, 183, 117**.

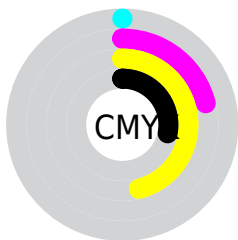
Distribution



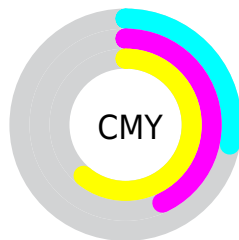
- Red (72%)
- Green (57%)
- Blue (39%)



- Red (66%)
- Yellow (72%)
- Blue (39%)



- Cyan (0%)
- Magenta (21%)
- Yellow (46%)
- Black (28%)




- Cyan (28%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 183, 99 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 168, 183, 99 by changing the saturation by 10% instead.

 168, 183, 99  168, 183, 99

255, 255, 255  140, 155, 75

 228, 241, 150  109, 128, 51

 221, 255, 177  80, 101, 29

 205, 255, 205  49, 76, 5


 233, 255, 233  42, 51, 0


 27, 3, 0

 0, 0, 0

 168, 183, 99  168, 183, 99

 165, 183, 81  172, 183, 117


 160, 183, 62

 174, 183, 136

 159, 183, 44

 178, 183, 154

 156, 183, 26

 181, 183, 172

 152, 183, 8

 183, 185, 191

 152, 183, 0

 183, 191, 209

 183, 197, 227

 183, 202, 245

 183, 207, 255

Harmonies

Analogous

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



201, 143, 114



168, 183, 99



101, 157, 98

Triad

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



168, 183, 99



62, 115, 167



172, 140, 191

Complementary

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



168, 183, 99



99, 125, 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.



135, 147, 205



168, 183, 99



57, 116, 189

Square

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



168, 183, 99



93, 139, 166



91, 133, 204



197, 132, 167

Rectangle

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



168, 183, 99



106, 159, 128



91, 133, 204



161, 143, 197

Sweetspot

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



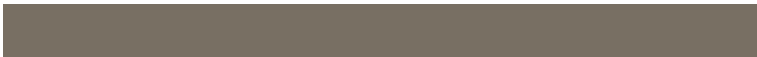
168, 183, 99



232, 237, 204



183, 99, 138



115, 120, 99



247, 247, 247



120, 120, 120

Same Dimension

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



168, 183, 99



215, 237, 107



99, 183, 102



90, 92, 83



130, 156, 0



24, 28, 0

Inverse Universe

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



99, 125, 183



107, 148, 237



102, 99, 183



83, 86, 92



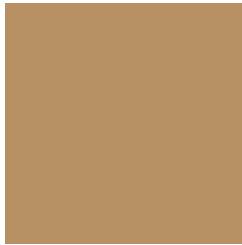
0, 48, 156



0, 9, 28

Previews

White Background



This preview shows how the RYB color 168, 183, 99 looks on a white background.

Color Contrast Check

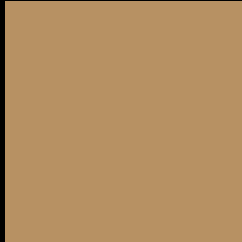
Large Text (above 18pt) WCAG AA × Fail

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 168, 183, 99 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](#).

R Y B 168, 183, 99 Background



This preview shows how black text looks on a background with the R Y B color 168, 183, 99.



This preview shows how white text looks on a background with the R Y B color 168, 183, 99.

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

168, 183, 99

Protanopia

118, 165, 102

Deuteranopia

168, 183, 99



Tritanopia
188, 139, 149

Trichromacy



Original Color

168, 183, 99

Protanomaly

135, 172, 101

Deuteranomaly

168, 183, 99

Tritanomaly

186, 143, 131

Monochromacy



Original Color

168, 183, 99

Achromatopsia

151, 151, 151

Achromatomaly

158, 163, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 183, 99 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, 145, 99)` looks like.

```
.text, #text, p{  
    color:rgb(183, 145, 99)  
}
```

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, 145, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 145, 99) }
```

Border

The CSS property to change the border of an element to RYB 168, 183, 99 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, 145, 99) }
```

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

```
.border{ border-color:rgb(183, 145, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 145, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 145, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 145, 99);  
box-shadow:4px 4px 4px 4px rgb(183, 145,  
99) }
```

Background

The CSS property to change the background color of an element to RGB 168, 183, 99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 145, 99) }
```

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

```
.background{ background-color: rgb(183,  
145, 99) }
```

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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