

Converting Colors

`RYB(219, 183, 102)`

Have a look what the booklet for
RYB(219, 183, 102) contains.

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Color

$\text{RYB}(219, 183, 102)$

Conversions

Conversions Part 1

Format	Color
Hex	DB9666
RGB	219, 150, 102
RGB Percent	86%, 59%, 40%
CMY	0.1412, 0.4123, 0.6000
CMYK	0.00, 0.32, 0.53, 0.14
HSL	25°, 62%, 63%
HSV	25°, 53%, 86%
XYZ	42.4963, 37.7886, 17.6245
YIQ	165.1590, 56.5320, -0.3000

Conversions

Conversions Part 2

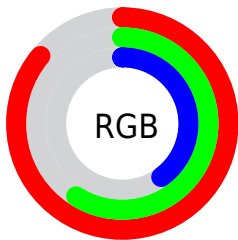
Format	Color
RYB	219, 183, 102
Decimal	14390886
CIELab	67.86, 20.85, 35.60
CIELCh	68, 41.252, 59.645
Yxy	37.7886, 0.4340, 0.3860
Android (android.graphics.Color)	4292580966 (0xFFDB9666)
YUV	165.1590, -31.1374, 47.2186
Hunter-Lab	61.4724, 15.8215, 26.0319

Details

The RYB color **219, 183, 102** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **102, 145, 219**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 253, 154**, and **161, 132, 54** is the 20% darker color. If you saturate the color by 10%, you get **219, 177, 80**, and if you desaturate by 10%, it is **219, 190, 124**.

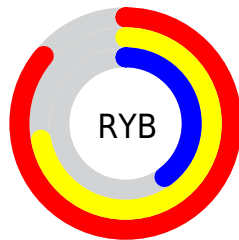
Distribution



Red (86%)

Green (59%)

Blue (40%)



Red (86%)

Yellow (72%)

Blue (40%)

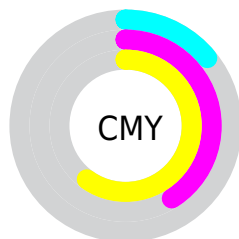


Cyan (0%)

Magenta (32%)

Yellow (53%)

Black (14%)



Cyan (14%)

Magenta (41%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 183, 102 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 219, 183, 102 by changing the saturation by 10% instead.


 219, 183, 102

 219, 183, 102

255, 255, 255

 190, 157, 77

 255, 253, 154

 161, 132, 54

 214, 255, 181

 132, 109, 31

 209, 255, 209

 105, 87, 7

 237, 255, 237

 78, 46, 0

 51, 9, 0

 24, 0, 1

 0, 0, 0

 219, 183, 102

 219, 183, 102

219, 177, 80

219, 190, 124

219, 170, 58

219, 197, 146

219, 163, 36

219, 204, 168

219, 156, 14

219, 210, 190

219, 153, 0

219, 217, 212

219, 224, 233

219, 232, 255

219, 236, 255

219, 237, 255

Harmonies

Analogous

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



236, 140, 130



219, 183, 102



125, 189, 90

Triad

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



219, 183, 102



43, 120, 185



168, 156, 230

Complementary

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



219, 183, 102



102, 145, 219

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.



106, 149, 239



219, 183, 102



0, 96, 201

Square

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



219, 183, 102



106, 165, 181



0, 100, 229



211, 143, 204

Rectangle

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



219, 183, 102



94, 171, 100



0, 100, 229



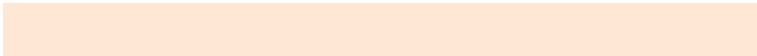
150, 160, 235

Sweetspot

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



219, 183, 102



255, 243, 214



219, 102, 172



128, 120, 103



0, 0, 0



128, 128, 128

Same Dimension

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



219, 183, 102



255, 206, 92



115, 219, 102



110, 105, 99



173, 120, 0



46, 32, 0

Inverse Universe

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



102, 145, 219



92, 152, 255



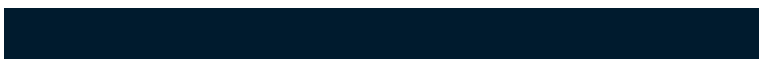
102, 113, 219



99, 103, 110



0, 64, 173



0, 17, 46

Previews

White Background



This preview shows how the RYB color 219, 183, 102 looks on a white background.

Color Contrast Check

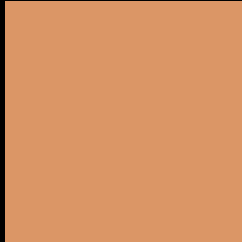
Large Text (above 18pt) WCAG AA × Fail

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 219, 183, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

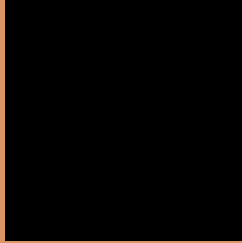
Any Text WCAG AA ✓ Pass

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 219, 183, 102 Background



This preview shows how black text looks on a background with the RYB color 219, 183, 102.



This preview shows how white text looks on a background with the RYB color 219, 183, 102.

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
219, 183, 102

Protanopia
125, 180, 108

Deuteranopia
175, 201, 100



Tritanopia
223, 143, 154

Trichromacy



Original Color
219, 183, 102

Protanomaly
161, 194, 106

Deuteranomaly
206, 208, 101

Tritanomaly
222, 146, 135

Monochromacy



Original Color
219, 183, 102

Achromatopsia
165, 165, 165

Achromatomaly
185, 170, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 219, 183, 102 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(219, 150, 102)` looks like.

```
.text, #text, p{  
    color:rgb(219, 150, 102)  
}
```

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(219, 150, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 150, 102) }
```

Border

The CSS property to change the border of an element to RYB 219, 183, 102 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(219, 150, 102) }
```

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

```
.border{ border-color:rgb(219, 150, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 150, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 150, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 150, 102);  
box-shadow:4px 4px 4px 4px rgb(219, 150,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 219, 183, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 150, 102) }
```

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

```
.background{ background-color: rgb(219,  
150, 102) }
```

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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