

Converting Colors

RGB(199, 170, 102)

Have a look what the booklet for
RGB(199, 170, 102) contains.

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Color

RGB(199, 170, 102)

Conversions

Conversions Part 1

Format	Color
Hex	C7AA66
RGB	199, 170, 102
RGB Percent	78%, 67%, 40%
CMY	0.2196, 0.3333, 0.6000
CMYK	0.00, 0.15, 0.49, 0.22
HSL	42°, 46%, 59%
HSV	42°, 49%, 78%
XYZ	40.3262, 41.8509, 18.5230
YIQ	170.9190, 39.1120, -15.0000

Conversions

Conversions Part 2

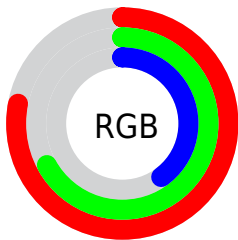
Format	Color
RYB	143, 199, 102
Decimal	13085286
CIELab	70.77, 1.71, 38.78
CIElCh	71, 38.819, 87.475
Yxy	41.8509, 0.4005, 0.4156
Android (android.graphics.Color)	4291275366 (0xFFC7AA66)
YUV	170.9190, -33.9771, 24.6270
Hunter-Lab	64.6923, -1.9427, 28.3084

Details

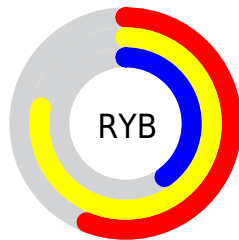
The RGB color **199, 170, 102** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **102, 131, 199**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **255, 225, 154**, and **143, 118, 53** is the 20% darker color. If you saturate the color by 10%, you get **199, 164, 82**, and if you desaturate by 10%, it is **199, 176, 122**.

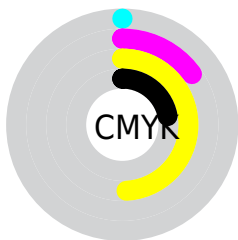
Distribution



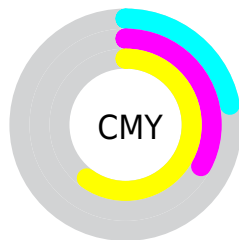
- Red (78%)
- Green (67%)
- Blue (40%)



- Red (56%)
- Yellow (78%)
- Blue (40%)



- Cyan (0%)
- Magenta (15%)
- Yellow (49%)
- Black (22%)



- Cyan (22%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 199, 170, 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 RGB color 199, 170, 102 by changing the saturation by 10% instead.

 199, 170, 102

255, 255, 255


 255, 225, 154


 255, 254, 181


 255, 255, 209

 255, 255, 238

 199, 170, 102

 171, 144, 77

 143, 118, 53

 116, 94, 29

 90, 70, 2

 65, 48, 0

 39, 27, 0

 9, 1, 0

 0, 0, 0

 199, 170, 102

 199, 170, 102

199, 164, 82

199, 176, 122

199, 158, 62

199, 182, 142

199, 152, 42

199, 188, 162

199, 146, 22

199, 194, 182

199, 140, 3

199, 200, 202

199, 140, 0

199, 206, 221

199, 212, 241

199, 218, 255

199, 224, 255

Harmonies

Analogous

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



227, 158, 115



199, 170, 102



163, 181, 109

Triad

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



199, 170, 102



8, 191, 205



215, 153, 212

Complementary

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



199, 170, 102



102, 131, 199

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.



173, 165, 236



199, 170, 102



49, 187, 232

Square

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



199, 170, 102



72, 192, 169



116, 178, 243



238, 146, 178

Rectangle

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



199, 170, 102



136, 186, 124



116, 178, 243



203, 157, 221

Sweetspot

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



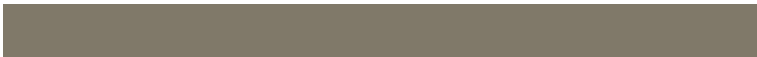
199, 170, 102



255, 244, 217



199, 102, 131



128, 121, 105



0, 0, 0



128, 128, 128

Same Dimension

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



199, 170, 102



255, 211, 107



180, 199, 102



99, 96, 90



163, 114, 0



36, 25, 0

Inverse Universe

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



102, 131, 199



107, 151, 255



121, 102, 199



90, 92, 99



0, 49, 163



0, 11, 36

Previews

White Background



This preview shows how the RGB color 199, 170, 102 looks on a white background.

Color Contrast Check

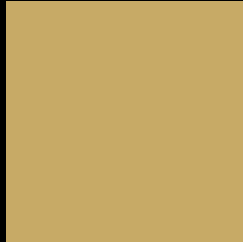
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 199, 170, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

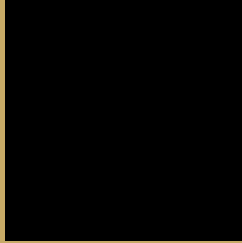
Any Text WCAG AA ✓ Pass

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](#).

RGB 199, 170, 102 Background



This preview shows how black text looks on a background with the RGB color 199, 170, 102.

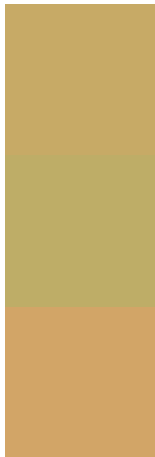


This preview shows how white text looks on a background with the RGB color 199, 170, 102.

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
199, 170, 102

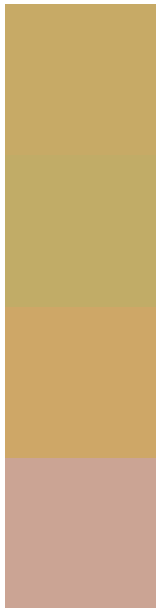
Protanopia
190, 173, 103

Deuteranopia
210, 165, 103



Tritanopia
206, 161, 174

Trichromacy



Original Color

199, 170, 102

Protanomaly

193, 172, 103

Deuteranomaly

206, 167, 103

Tritanomaly

203, 164, 148

Monochromacy



Original Color

199, 170, 102

Achromatopsia

171, 171, 171

Achromatomaly

181, 171, 146

CSS Examples

Text

The CSS property to change the color of the text to RGB 199, 170, 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(199, 170, 102)` looks like.

```
.text, #text, p{  
    color:rgb(199, 170, 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(199, 170, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 170, 102) }
```

Border

The CSS property to change the border of an element to RGB 199, 170, 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(199, 170, 102) }
```

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

```
.border{ border-color:rgb(199, 170, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 170, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 170, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 170, 102);  
box-shadow:4px 4px 4px 4px rgb(199, 170,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 199, 170, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 170, 102) }
```

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

```
.background{ background-color: rgb(199,  
170, 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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