

Converting Colors

RGB(221, 199, 170)

Have a look what the booklet for
RGB(221, 199, 170) contains.

RGB(221, 199, 170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(221, 199, 170)

Conversions

Conversions Part 1

Format	Color
Hex	DDC7AA
RGB	221, 199, 170
RGB Percent	87%, 78%, 67%
CMY	0.1333, 0.2196, 0.3333
CMYK	0.00, 0.10, 0.23, 0.13
HSL	34°, 43%, 77%
HSV	34°, 23%, 87%
XYZ	57.4979, 59.1213, 46.4113
YIQ	202.2720, 22.4210, -4.3550

Conversions

Conversions Part 2

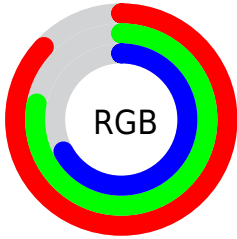
Format	Color
RYB	209, 221, 170
Decimal	14534570
CIELab	81.36, 3.22, 17.34
CIELCh	81, 17.639, 79.470
Yxy	59.1213, 0.3527, 0.3626
Android (android.graphics.Color)	4292724650 (0xFFDDC7AA)
YUV	202.2720, -15.9101, 16.4245
Hunter-Lab	76.8904, -1.0775, 18.0356

Details

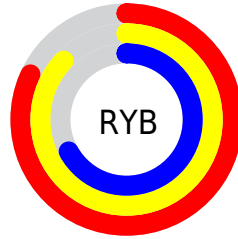
The RGB color **221, 199, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 192, 221**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **255, 255, 225**, and **165, 145, 118** is the 20% darker color. If you saturate the color by 10%, you get **221, 189, 148**, and if you desaturate by 10%, it is **221, 209, 192**.

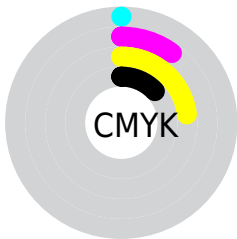
Distribution



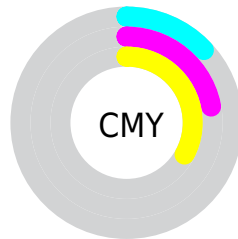
- Red (87%)
- Green (78%)
- Blue (67%)



- Red (82%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (13%)




- Cyan (13%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 221, 199, 170 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 221, 199, 170 by changing the saturation by 10% instead.

 221, 199, 170

255, 255, 255

 255, 255, 225


255, 255, 254

 221, 199, 170

 193, 172, 143

 165, 145, 118

 139, 120, 93

 113, 95, 69


 88, 71, 47


 64, 49, 26


 42, 28, 0


 15, 2, 0


 0, 0, 0

 221, 199, 170


 221, 199, 170

 221, 189, 148


 221, 209, 192

 221, 180, 126


 221, 218, 214

 221, 170, 104


 221, 228, 236

 221, 161, 82


 221, 237, 255


 221, 151, 59

 221, 247, 255

 221, 142, 37

 221, 255, 255

 221, 132, 15

 221, 126, 0

Harmonies

Analogous

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



233, 194, 178



221, 199, 170



204, 204, 171

Triad

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



221, 199, 170



159, 212, 212



218, 195, 224

Complementary

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



221, 199, 170



170, 192, 221

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.



198, 200, 233



221, 199, 170



162, 210, 227

Square

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



221, 199, 170



168, 211, 196



177, 205, 234



232, 191, 209

Rectangle

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



221, 199, 170



191, 208, 176



177, 205, 234



212, 196, 228

Sweetspot

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



221, 199, 170



255, 247, 237



221, 170, 192



128, 123, 117



0, 0, 0



128, 128, 128

Same Dimension

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



221, 199, 170



255, 224, 184



218, 221, 170



110, 105, 99



173, 99, 0



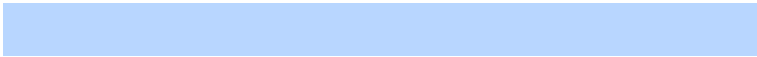
46, 26, 0

Inverse Universe

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



170, 192, 221



184, 214, 255



173, 170, 221



99, 103, 110



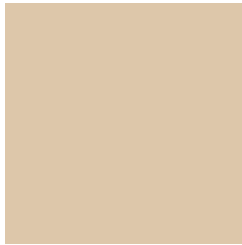
0, 75, 173



0, 20, 46

Previews

White Background



This preview shows how the RGB color 221, 199, 170 looks on a white background.

Color Contrast Check

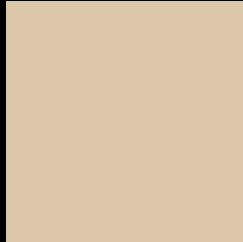
Large Text (above 18pt) WCAG AA × Fail

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 221, 199, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

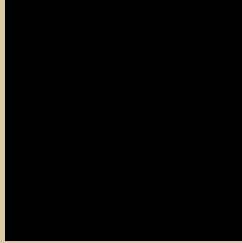
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

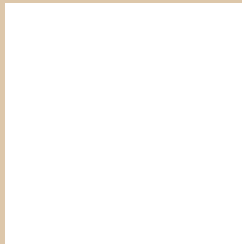
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 221, 199, 170 Background



This preview shows how black text looks on a background with the RGB color 221, 199, 170.



This preview shows how white text looks on a background with the RGB color 221, 199, 170.

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
221, 199, 170

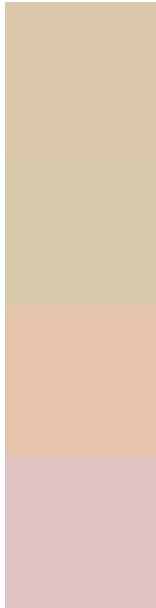
Protanopia
213, 202, 171

Deuteranopia
233, 195, 171



Tritanopia
226, 194, 209

Trichromacy



Original Color

221, 199, 170

Protanomaly

216, 201, 171

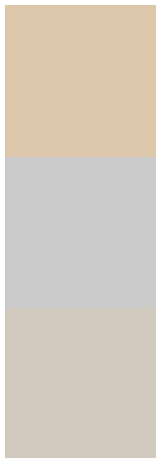
Deuteranomaly

229, 196, 171

Tritanomaly

224, 196, 195

Monochromacy



Original Color

221, 199, 170

Achromatopsia

202, 202, 202

Achromatomaly

209, 201, 190

CSS Examples

Text

The CSS property to change the color of the text to RGB 221, 199, 170 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(221, 199, 170)` looks like.

```
.text, #text, p{  
    color:rgb(221, 199, 170)  
}
```

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(221, 199, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 199, 170) }
```

Border

The CSS property to change the border of an element to RGB 221, 199, 170 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(221, 199, 170) }
```

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

```
.border{ border-color:rgb(221, 199, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 199, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 199, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 199, 170);  
box-shadow:4px 4px 4px 4px rgb(221, 199,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 221, 199, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 199, 170) }
```

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

```
.background{ background-color: rgb(221,  
199, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor