

Converting Colors

`RYB(231, 221, 197)`

Have a look what the booklet for
RYB(231, 221, 197) contains.

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Color

R_YB(231, 221, 197)

Conversions

Conversions Part 1

Format	Color
Hex	E7D3C5
RGB	231, 211, 197
RGB Percent	91%, 83%, 77%
CMY	0.0941, 0.1723, 0.2275
CMYK	0.00, 0.09, 0.15, 0.09
HSL	25°, 41%, 84%
HSV	25°, 15%, 91%
XYZ	66.3444, 67.6429, 62.3830
YIQ	215.3840, 16.4140, -0.1140

Conversions

Conversions Part 2

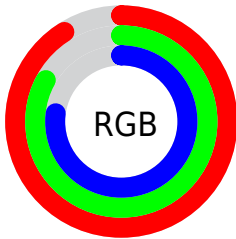
Format	Color
RYB	231, 221, 197
Decimal	15193029
CIELab	85.83, 4.62, 9.45
CIELCh	86, 10.522, 63.954
Yxy	67.6429, 0.3379, 0.3445
Android (android.graphics.Color)	4293383109 (0xFFE7D3C5)
YUV	215.3840, -9.0633, 13.6952
Hunter-Lab	82.2453, 0.0604, 12.6003

Details

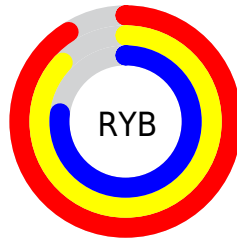
The RYB color **231, 221, 197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **197, 210, 231**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is 254, 255, 254, and **175, 168, 143** is the 20% darker color. If you saturate the color by 10%, you get **231, 215, 174**, and if you desaturate by 10%, it is **231, 229, 220**.

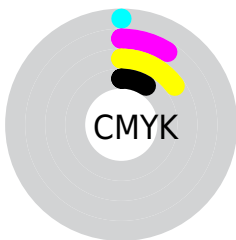
Distribution



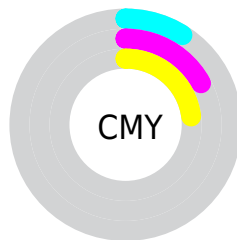
- Red (91%)
- Green (83%)
- Blue (77%)



- Red (91%)
- Yellow (87%)
- Blue (77%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (9%)




- Cyan (9%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 221, 197 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 231, 221, 197 by changing the saturation by 10% instead.

 231, 221, 197

255, 255, 255

254, 255, 254

 231, 221, 197

 203, 191, 170

 175, 168, 143

 148, 141, 118

 122, 113, 93

 97, 90, 69

 73, 66, 47


 50, 46, 26


 29, 31, 0

 0, 0, 0

 231, 221, 197


 231, 221, 197


 231, 215, 174


 231, 229, 220


 231, 207, 151


 231, 235, 243


 231, 199, 128


 231, 242, 255


 231, 194, 105

 231, 243, 255

 231, 185, 82

 231, 181, 58

 231, 173, 35

 231, 168, 12

 231, 164, 0

Harmonies

Analogous

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



236, 210, 204



231, 221, 197



206, 222, 195

Triad

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



231, 221, 197



192, 208, 221



218, 212, 231

Complementary

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



231, 221, 197



197, 210, 231

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.



206, 213, 234



231, 221, 197



190, 206, 225

Square

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



231, 221, 197



199, 215, 220



195, 209, 232



229, 209, 224

Rectangle

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



231, 221, 197



196, 216, 198



195, 209, 232



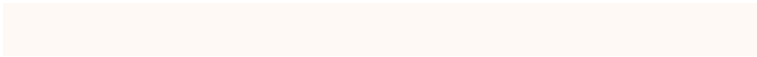
214, 213, 233

Sweetspot

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



231, 221, 197



255, 252, 245



231, 197, 217



128, 126, 121



0, 0, 0



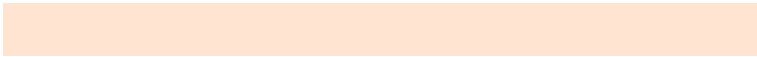
128, 128, 128

Same Dimension

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



231, 221, 197



255, 241, 209



200, 231, 197



115, 112, 103



179, 126, 0



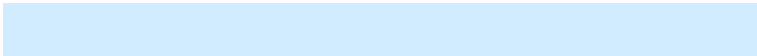
51, 36, 0

Inverse Universe

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



197, 210, 231



209, 226, 255



197, 200, 231



103, 107, 115



0, 66, 179



0, 19, 51

Previews

White Background



This preview shows how the RYB color 231, 221, 197 looks on a white background.

Color Contrast Check

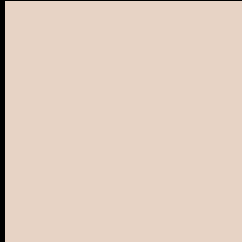
Large Text (above 18pt) WCAG AA × Fail

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 231, 221, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

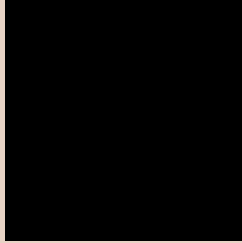
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

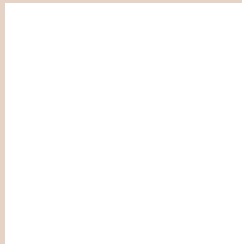
Any Text WCAG AAA ✓ Pass

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

RYB 231, 221, 197 Background



This preview shows how black text looks on a background with the RYB color 231, 221, 197.

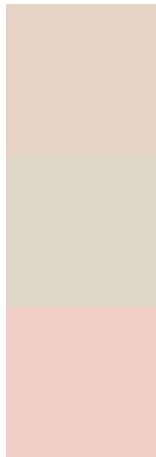


This preview shows how white text looks on a background with the RYB color 231, 221, 197.

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
231, 221, 197

Protanopia
210, 222, 198

Deuteranopia
242, 209, 198



Tritanopia
234, 207, 223

Trichromacy



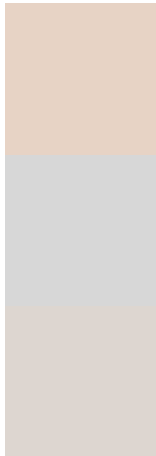
Original Color
231, 221, 197

Protanomaly
220, 225, 198

Deuteranomaly
238, 211, 198

Tritanomaly
233, 208, 214

Monochromacy



Original Color
231, 221, 197

Achromatopsia
215, 215, 215

Achromatomaly
221, 219, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 221, 197 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(231, 211, 197) looks like.

```
.text, #text, p{  
    color:rgb(231, 211, 197)  
}
```

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(231, 211, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 211, 197) }
```

Border

The CSS property to change the border of an element to RYB 231, 221, 197 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(231, 211, 197) }
```

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

```
.border{ border-color:rgb(231, 211, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 211, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 211, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 211, 197);  
box-shadow:4px 4px 4px 4px rgb(231, 211,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 231, 211, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 211, 197) }
```

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

```
.background{ background-color: rgb(231,  
211, 197) }
```

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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