

Converting Colors

RGB(231, 196, 137)

Have a look what the booklet for
RGB(231, 196, 137) contains.

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Color

RGB(231, 196, 137)

Conversions

Conversions Part 1

Format	Color
Hex	E7C489
RGB	231, 196, 137
RGB Percent	91%, 77%, 54%
CMY	0.0941, 0.2314, 0.4627
CMYK	0.00, 0.15, 0.41, 0.09
HSL	38°, 66%, 72%
HSV	38°, 41%, 91%
XYZ	57.2103, 58.2749, 31.8998
YIQ	199.7390, 39.7990, -10.9290

Conversions

Conversions Part 2

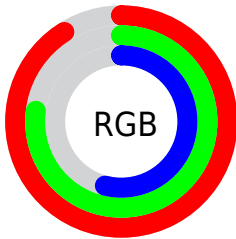
Format	Color
RYB	193, 231, 137
Decimal	15189129
CIELab	80.89, 4.53, 34.22
CIElCh	81, 34.520, 82.460
Yxy	58.2749, 0.3882, 0.3954
Android (android.graphics.Color)	4293379209 (0xFFE7C489)
YUV	199.7390, -30.9303, 27.4159
Hunter-Lab	76.3380, 0.1824, 28.6608

Details

The RGB color **231, 196, 137** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **137, 172, 231**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **255, 253, 191**, and **174, 142, 86** is the 20% darker color. If you saturate the color by 10%, you get **231, 187, 114**, and if you desaturate by 10%, it is **231, 205, 160**.

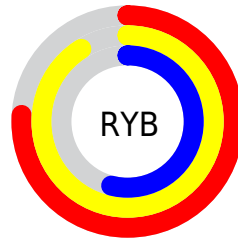
Distribution



Red (91%)

Green (77%)

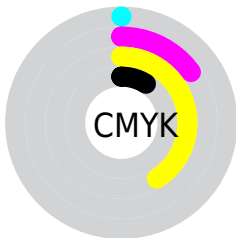
Blue (54%)



Red (76%)

Yellow (91%)

Blue (54%)

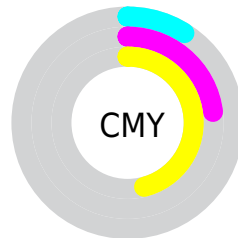


Cyan (0%)

Magenta (15%)

Yellow (41%)

Black (9%)



Cyan (9%)


Magenta (23%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the RGB color 231, 196, 137 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 231, 196, 137 by changing the saturation by 10% instead.

 231, 196, 137

 231, 196, 137


255, 255, 255

 202, 169, 111


 255, 253, 191

 174, 142, 86

 255, 255, 219

 146, 117, 62

 255, 255, 248

 119, 92, 39


 93, 69, 15


 68, 47, 0


 43, 26, 0


 16, 0, 0


 0, 0, 0

 231, 196, 137


 231, 196, 137


 231, 187, 114


 231, 205, 160

 231, 179, 91


 231, 213, 183


 231, 170, 68


 231, 222, 206


 231, 162, 45


 231, 230, 229

 231, 153, 22

 231, 239, 253

 231, 145, 0

 231, 248, 255

 231, 255, 255

Harmonies

Analogous

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



255, 185, 151



231, 196, 137



198, 206, 140

Triad

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



231, 196, 137



98, 218, 224



234, 184, 241

Complementary

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



231, 196, 137



137, 172, 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.



194, 195, 255



231, 196, 137



105, 214, 251

Square

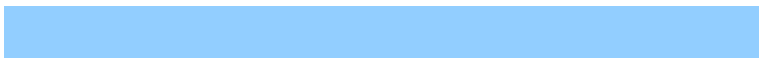
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 196, 137



124, 218, 191



146, 206, 255



255, 177, 210

Rectangle

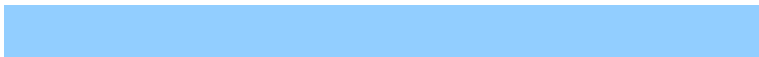
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 196, 137



174, 212, 152



146, 206, 255



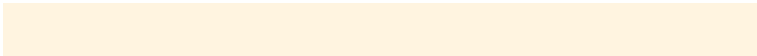
222, 188, 249

Sweetspot

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



231, 196, 137



255, 244, 224



231, 137, 173



128, 121, 110



0, 0, 0



128, 128, 128

Same Dimension

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



231, 196, 137



255, 208, 130



220, 231, 137



115, 110, 103



179, 112, 0



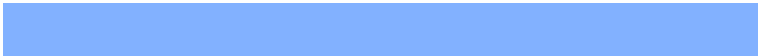
51, 32, 0

Inverse Universe

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



137, 172, 231



130, 177, 255



148, 137, 231



103, 108, 115



0, 66, 179



0, 19, 51

Previews

White Background



This preview shows how the RGB color 231, 196, 137 looks on a white background.

Color Contrast Check

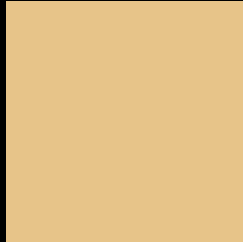
Large Text (above 18pt) WCAG AA × Fail

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 231, 196, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

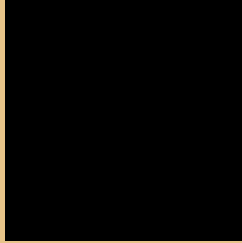
Any Text WCAG AA ✓ Pass

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 231, 196, 137 Background



This preview shows how black text looks on a background with the RGB color 231, 196, 137.



This preview shows how white text looks on a background with the RGB color 231, 196, 137.

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, 196, 137

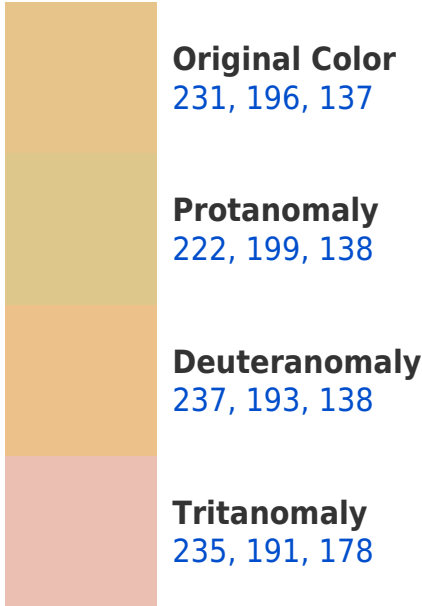
Protanopia
217, 201, 139

Deuteranopia
240, 192, 138

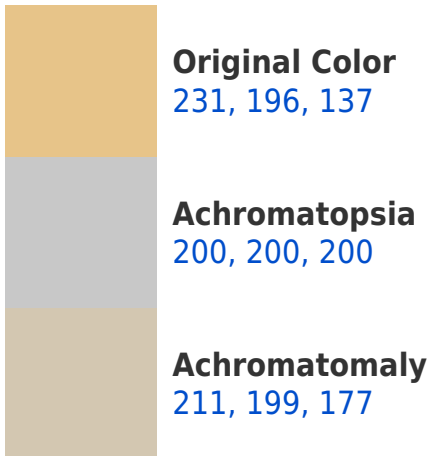


Tritanopia
238, 188, 202

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 196, 137 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, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(231, 196, 137)  
}
```

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, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 196, 137) }
```

Border

The CSS property to change the border of an element to RGB 231, 196, 137 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, 196, 137) }
```

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

```
.border{ border-color:rgb(231, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(231, 196,  
137) }
```

Background

The CSS property to change the background color of an element to RGB 231, 196, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 196, 137) }
```

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

```
.background{ background-color: rgb(231,  
196, 137) }
```

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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