

Converting Colors

RGB(230, 202, 117)

Have a look what the booklet for
RGB(230, 202, 117) contains.

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Color

RGB(230, 202, 117)

Conversions

Conversions Part 1

Format	Color
Hex	E6CA75
RGB	230, 202, 117
RGB Percent	90%, 79%, 46%
CMY	0.0980, 0.2078, 0.5412
CMYK	0.00, 0.12, 0.49, 0.10
HSL	45°, 69%, 68%
HSV	45°, 49%, 90%
XYZ	56.9645, 60.3484, 25.4757
YIQ	200.6820, 43.9730, -20.4990

Conversions

Conversions Part 2

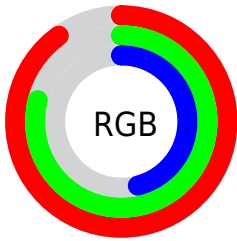
Format	Color
RYB	154, 230, 117
Decimal	15125109
CIELab	82.03, -0.97, 45.77
CIElCh	82, 45.783, 91.216
Yxy	60.3484, 0.3989, 0.4226
Android (android.graphics.Color)	4293315189 (0xFFE6CA75)
YUV	200.6820, -41.2552, 25.7119
Hunter-Lab	77.6842, -5.0564, 34.9355

Details

The RGB color **230, 202, 117** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **117, 145, 230**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **255, 255, 171**, and **172, 148, 66** is the 20% darker color. If you saturate the color by 10%, you get **230, 196, 94**, and if you desaturate by 10%, it is **230, 208, 140**.

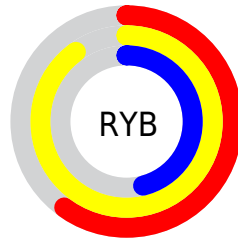
Distribution



Red (90%)

Green (79%)

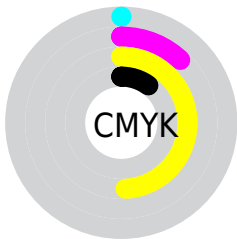
Blue (46%)



Red (60%)

Yellow (90%)

Blue (46%)

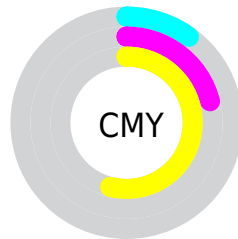


Cyan (0%)

Magenta (12%)

Yellow (49%)

Black (10%)



Cyan (10%)

Magenta (21%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the RGB color 230, 202, 117 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 230, 202, 117 by changing the saturation by 10% instead.

 230, 202, 117

 230, 202, 117

255, 255, 255

 201, 175, 91

 255, 255, 171

 172, 148, 66

 255, 255, 198

 144, 123, 41

 255, 255, 227

 117, 98, 13

 90, 74, 0

 65, 52, 0


 39, 31, 0

 9, 8, 0


 0, 0, 0

 230, 202, 117


 230, 202, 117

 230, 196, 94

 230, 208, 140

 230, 191, 71

 230, 213, 163

 230, 185, 48

 230, 219, 186

 230, 179, 25

 230, 225, 209

 230, 174, 2

 230, 230, 232

 230, 173, 0

 230, 236, 255

 230, 242, 255

 230, 248, 255

 230, 253, 255

Harmonies

Analogous

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



255, 187, 130



230, 202, 117



185, 215, 129

Triad

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



230, 202, 117



0, 226, 247



255, 177, 246

Complementary

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



230, 202, 117



117, 145, 230

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.



211, 192, 255



230, 202, 117



52, 219, 255

Square

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



230, 202, 117



67, 227, 204



142, 208, 255



255, 170, 204

Rectangle

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



230, 202, 117



151, 221, 149



142, 208, 255



246, 182, 255

Sweetspot

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



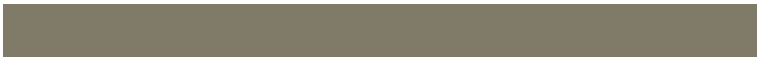
230, 202, 117



255, 246, 217



230, 117, 145



128, 122, 105



0, 0, 0



128, 128, 128

Same Dimension

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



230, 202, 117



255, 218, 105



202, 230, 117



115, 112, 103



179, 134, 0



51, 38, 0

Inverse Universe

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



117, 145, 230



105, 142, 255



145, 117, 230



103, 106, 115



0, 44, 179



0, 13, 51

Previews

White Background



This preview shows how the RGB color 230, 202, 117 looks on a white background.

Color Contrast Check

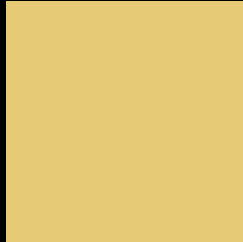
Large Text (above 18pt) WCAG AA × Fail

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 230, 202, 117 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 230, 202, 117 Background



This preview shows how black text looks on a background with the RGB color 230, 202, 117.



This preview shows how white text looks on a background with the RGB color 230, 202, 117.

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
230, 202, 117

Protanopia
224, 204, 118

Deuteranopia
248, 195, 119



Tritanopia
239, 191, 206

Trichromacy



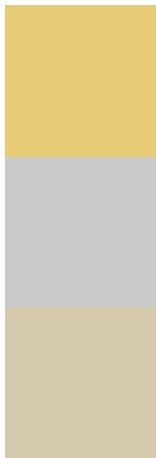
Original Color
230, 202, 117

Protanomaly
226, 203, 118

Deuteranomaly
241, 198, 118

Tritanomaly
236, 195, 174

Monochromacy



Original Color
230, 202, 117

Achromatopsia
201, 201, 201

Achromatomaly
212, 201, 170

CSS Examples

Text

The CSS property to change the color of the text to RGB 230, 202, 117 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(230, 202, 117)` looks like.

```
.text, #text, p{  
    color:rgb(230, 202, 117)  
}
```

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(230, 202, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 202, 117) }
```

Border

The CSS property to change the border of an element to RGB 230, 202, 117 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(230, 202, 117) }
```

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

```
.border{ border-color:rgb(230, 202, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 202, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 202, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 202, 117);  
box-shadow:4px 4px 4px 4px rgb(230, 202,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 230, 202, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 202, 117) }
```

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

```
.background{ background-color: rgb(230,  
202, 117) }
```

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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