

Converting Colors

`RYB(231, 213, 135)`

Have a look what the booklet for
RYB(231, 213, 135) contains.

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Color

R_YB(231, 213, 135)

Conversions

Conversions Part 1

Format	Color
Hex	E7B287
RGB	231, 178, 135
RGB Percent	91%, 70%, 53%
CMY	0.0941, 0.3018, 0.4706
CMYK	0.00, 0.23, 0.42, 0.09
HSL	27°, 67%, 72%
HSV	27°, 42%, 91%
XYZ	53.2554, 50.5927, 29.8802
YIQ	188.9450, 45.3910, -2.1370

Conversions

Conversions Part 2

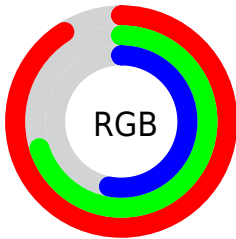
Format	Color
R _Y B	231, 213, 135
Decimal	15184519
CIE Lab	76.43, 13.79, 29.40
CIE LCh	76, 32.471, 64.866
Yxy	50.5927, 0.3982, 0.3783
Android (android.graphics.Color)	4293374599 (0xFFE7B287)
YUV	188.9450, -26.5949, 36.8822
Hunter-Lab	71.1286, 9.1717, 24.8830

Details

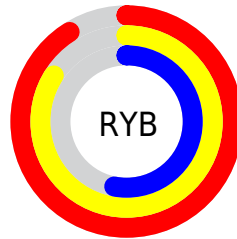
The RYB color **231, 213, 135** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **135, 169, 231**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **220, 255, 189**, and **173, 158, 85** is the 20% darker color. If you saturate the color by 10%, you get **231, 208, 112**, and if you desaturate by 10%, it is **231, 218, 158**.

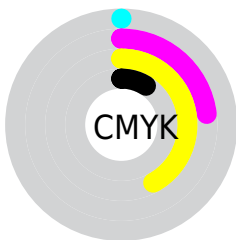
Distribution



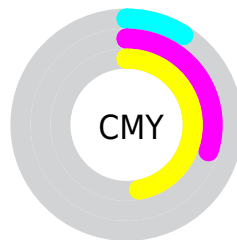
- Red (91%)
- Green (70%)
- Blue (53%)



- Red (91%)
- Yellow (84%)
- Blue (53%)



- Cyan (0%)
- Magenta (23%)
- Yellow (42%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 213, 135 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, 213, 135 by changing the saturation by 10% instead.

 231, 213, 135

 231, 213, 135


255, 255, 255

 202, 186, 109

 220, 255, 189

 173, 158, 85

 217, 255, 217

 146, 133, 61

 245, 255, 245

 118, 110, 38

 92, 88, 16

 67, 61, 0

 41, 15, 0

 0, 0, 0

 231, 213, 135

 231, 213, 135

■ 231, 208, 112

■ 231, 218, 158

■ 231, 206, 89

■ 231, 224, 181

■ 231, 200, 66

■ 231, 226, 204

■ 231, 195, 43

■ 231, 231, 227

■ 231, 191, 19

■ 231, 238, 251

■ 231, 189, 0

■ 231, 243, 255

Harmonies

Analogous

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



246, 171, 156



231, 213, 135



151, 205, 129

Triad

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



231, 213, 135



105, 158, 205



199, 179, 238

Complementary

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



231, 213, 135



135, 169, 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.



157, 181, 248



231, 213, 135



92, 152, 222

Square

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



231, 213, 135



137, 185, 203



114, 165, 242



231, 170, 215

Rectangle

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



231, 213, 135



133, 194, 143



114, 165, 242



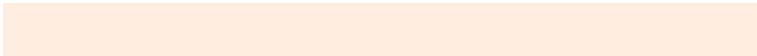
186, 183, 243

Sweetspot

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



231, 213, 135



255, 250, 224



231, 135, 189



128, 124, 110



0, 0, 0



128, 128, 128

Same Dimension

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



231, 213, 135



255, 231, 128



141, 231, 135



115, 112, 103



179, 145, 0



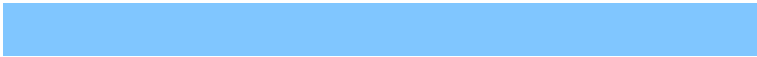
51, 42, 0

Inverse Universe

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



135, 169, 231



128, 173, 255



135, 141, 231



103, 107, 115



0, 63, 179



0, 18, 51

Previews

White Background



This preview shows how the RYB color 231, 213, 135 looks on a white background.

Color Contrast Check

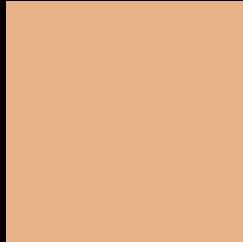
Large Text (above 18pt) WCAG AA × Fail

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, 213, 135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

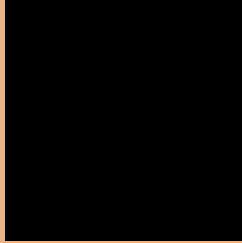
Any Text WCAG AA ✓ Pass

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, 213, 135 Background



This preview shows how black text looks on a background with the RYB color 231, 213, 135.




This preview shows how white text looks on a background with the RYB color 231, 213, 135.

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](#).

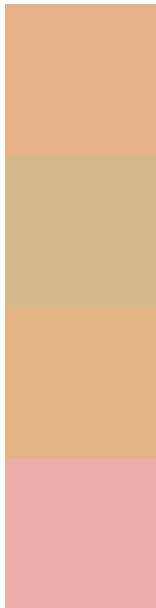
Dichromacy

	Original Color 231, 213, 135
	Protanopia 158, 203, 140
	Deuteranopia 216, 224, 134



Tritanopia
236, 171, 185

Trichromacy



Original Color
231, 213, 135

Protanomaly
183, 213, 138

Deuteranomaly
227, 225, 134

Tritanomaly
234, 175, 167

Monochromacy



Original Color
231, 213, 135

Achromatopsia
189, 189, 189

Achromatomaly
204, 198, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 178, 135 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, 178, 135)` looks like.

```
.text, #text, p{  
    color:rgb(231, 178, 135)  
}
```

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, 178, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 178, 135) }
```

Border

The CSS property to change the border of an element to RYB 231, 213, 135 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, 178, 135) }
```

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

```
.border{ border-color:rgb(231, 178, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 178, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 178, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 178, 135);  
box-shadow:4px 4px 4px 4px rgb(231, 178,  
135) }
```

Background

The CSS property to change the background color of an element to RGB 231, 178, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 178, 135) }
```

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

```
.background{ background-color: rgb(231,  
178, 135) }
```

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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