

Converting Colors

`RYB(235, 235, 197)`

Have a look what the booklet for
RYB(235, 235, 197) contains.

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Color

R_YB(235, 235, 197)

Conversions

Conversions Part 1

Format	Color
Hex	EBD8C5
RGB	235, 216, 197
RGB Percent	92%, 85%, 77%
CMY	0.0784, 0.1529, 0.2275
CMYK	0.00, 0.08, 0.16, 0.08
HSL	30°, 49%, 85%
HSV	30°, 16%, 92%
XYZ	68.8949, 70.8051, 62.8589
YIQ	219.5150, 17.4230, -1.8810

Conversions

Conversions Part 2

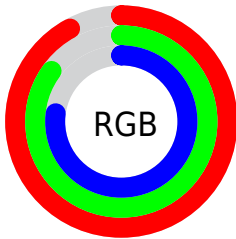
Format	Color
R _{YB}	235, 235, 197
Decimal	15456453
CIE Lab	87.39, 3.50, 11.73
CIE LCh	87, 12.237, 73.395
Yxy	70.8051, 0.3401, 0.3496
Android (android.graphics.Color)	4293646533 (0xFFEBD8C5)
YUV	219.5150, -11.0999, 13.5803
Hunter-Lab	84.1458, -1.1072, 14.6110

Details

The RYB color **235, 235, 197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **197, 210, 235**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is 254, 255, 254, and **179, 179, 143** is the 20% darker color. If you saturate the color by 10%, you get **235, 233, 174**, and if you desaturate by 10%, it is **235, 235, 221**.

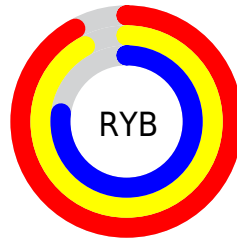
Distribution



Red (92%)

Green (85%)

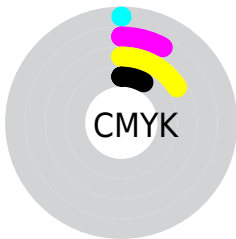
Blue (77%)



Red (92%)

Yellow (92%)

Blue (77%)

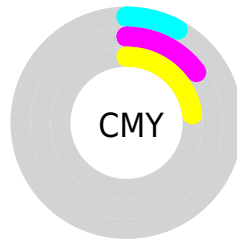


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 235, 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 235, 235, 197 by changing the saturation by 10% instead.

 235, 235, 197


 235, 235, 197

255, 255, 255


 207, 205, 170


254, 255, 254


 179, 179, 143


 152, 152, 118

 124, 126, 93

 101, 101, 69

 74, 76, 47

 51, 53, 26

 21, 33, 0

 0, 0, 0

 235, 235, 197

 235, 235, 197

 235, 233, 174

 235, 235, 221

 233, 235, 150


 235, 238, 244


 233, 235, 126


 235, 244, 255

 235, 235, 103

 235, 245, 255

 235, 235, 79

 233, 235, 56

 235, 235, 33

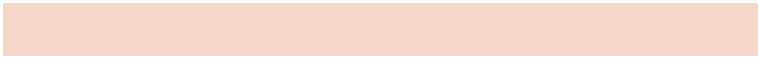
 235, 235, 9

 233, 235, 0

Harmonies

Analogous

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



243, 216, 203



235, 235, 197



199, 223, 196

Triad

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



235, 235, 197



191, 209, 226



228, 214, 236

Complementary

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



235, 235, 197



197, 210, 235

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.



213, 217, 241



235, 235, 197



191, 210, 234

Square

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



235, 235, 197



198, 216, 225



200, 214, 241



239, 212, 226

Rectangle

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



235, 235, 197



199, 222, 207



200, 214, 241



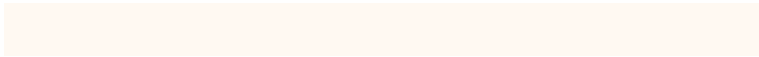
223, 216, 238

Sweetspot

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



235, 235, 197



253, 255, 242



235, 197, 216



128, 128, 120



0, 0, 0



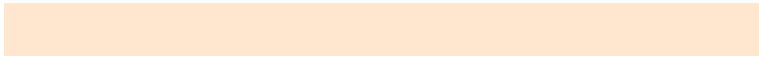
128, 128, 128

Same Dimension

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



235, 235, 197



255, 255, 207



197, 235, 197



117, 115, 106



179, 181, 0



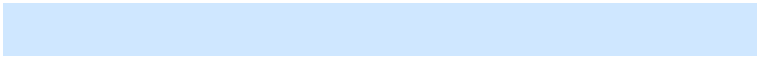
54, 54, 0

Inverse Universe

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



197, 210, 235



207, 223, 255



197, 197, 235



106, 109, 117



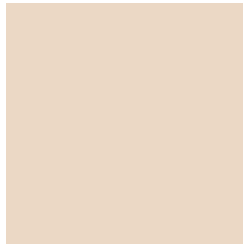
0, 61, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 235, 235, 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 235, 235, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

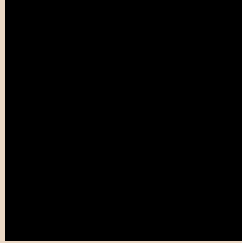
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

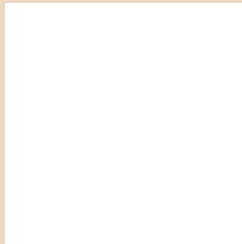
Any Text WCAG AAA ✓ Pass

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

RYB 235, 235, 197 Background



This preview shows how black text looks on a background with the RYB color 235, 235, 197.



This preview shows how white text looks on a background with the RYB color 235, 235, 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
235, 235, 197

Protanopia
213, 228, 198

Deuteranopia
248, 216, 198



Tritanopia
239, 211, 228

Trichromacy



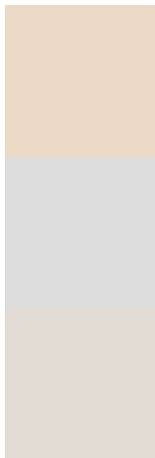
Original Color
235, 235, 197

Protanomaly
222, 231, 198

Deuteranomaly
243, 221, 198

Tritanomaly
238, 213, 217

Monochromacy



Original Color
235, 235, 197

Achromatopsia
220, 220, 220

Achromatomaly
223, 225, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 235, 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(235, 216, 197) looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 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(235, 216, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 197) }
```

Border

The CSS property to change the border of an element to RYB 235, 235, 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(235, 216, 197) }
```

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

```
.border{ border-color:rgb(235, 216, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 216, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 216, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 216, 197);  
box-shadow:4px 4px 4px 4px rgb(235, 216,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 235, 235, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 197) }
```

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

```
.background{ background-color: rgb(235,  
216, 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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