

Converting Colors

`RYB(216, 235, 196)`

Have a look what the booklet for
RYB(216, 235, 196) contains.

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Color

R_YB(216, 235, 196)

Conversions

Conversions Part 1

Format	Color
Hex	EBDEC4
RGB	235, 222, 196
RGB Percent	92%, 87%, 77%
CMY	0.0784, 0.1303, 0.2314
CMYK	0.00, 0.06, 0.17, 0.08
HSL	40°, 49%, 85%
HSV	40°, 17%, 92%
XYZ	70.2875, 73.7733, 62.7597
YIQ	222.9230, 16.0940, -5.3300

Conversions

Conversions Part 2

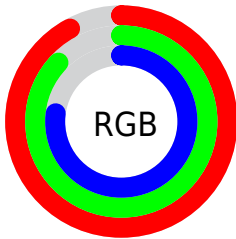
Format	Color
R _Y B	216, 235, 196
Decimal	15457988
CIE Lab	88.82, 0.36, 14.27
CIE LCh	89, 14.276, 88.551
Yxy	73.7733, 0.3398, 0.3567
Android (android.graphics.Color)	4293648068 (0xFFEBDEC4)
YUV	222.9230, -13.2730, 10.5915
Hunter-Lab	85.8914, -4.2379, 16.8016

Details

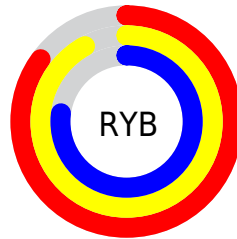
The RYB color **216, 235, 196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **196, 206, 235**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **253, 255, 253**, and **160, 179, 142** is the 20% darker color. If you saturate the color by 10%, you get **204, 235, 172**, and if you desaturate by 10%, it is **228, 235, 220**.

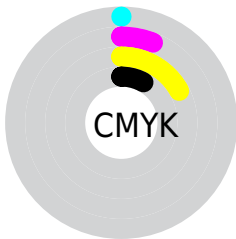
Distribution



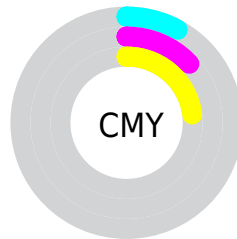
- Red (92%)
- Green (87%)
- Blue (77%)



- Red (85%)
- Yellow (92%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (8%)



- Cyan (8%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 235, 196 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 216, 235, 196 by changing the saturation by 10% instead.


 216, 235, 196

255, 255, 255


253, 255, 253

 216, 235, 196

 189, 207, 169

 160, 179, 142

 135, 152, 117

 108, 126, 92

 85, 101, 68

 59, 76, 46

 36, 53, 25

 12, 33, 0

 0, 0, 0

216, 235, 196

216, 235, 196

204, 235, 172

228, 235, 220

193, 235, 149

235, 237, 243

182, 235, 126

235, 242, 255

170, 235, 102

235, 245, 255

159, 235, 79

235, 245, 255

147, 235, 55

137, 235, 32

125, 235, 8

121, 235, 0

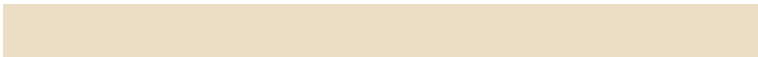
Harmonies

Analogous

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



247, 227, 200



216, 235, 196



199, 226, 205

Triad

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



216, 235, 196



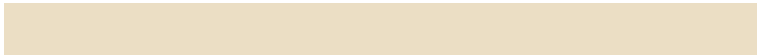
189, 211, 235



240, 216, 237

Complementary

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



216, 235, 196



196, 206, 235

Split Complementary

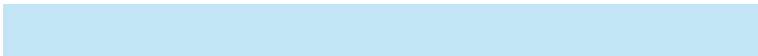
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225, 220, 247



216, 235, 196



194, 215, 246

Square

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



216, 235, 196



193, 215, 231



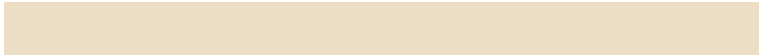
208, 220, 250



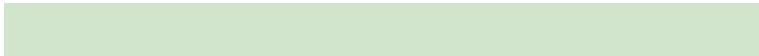
250, 214, 224

Rectangle

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



216, 235, 196



205, 229, 225



208, 220, 250



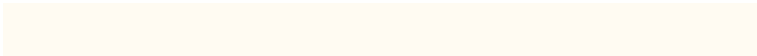
236, 217, 241

Sweetspot

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



216, 235, 196



248, 255, 242



235, 196, 210



125, 128, 120



0, 0, 0



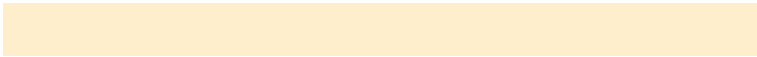
128, 128, 128

Same Dimension

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



216, 235, 196



230, 255, 204



196, 235, 202



112, 117, 106



92, 181, 0



29, 54, 0

Inverse Universe

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



196, 206, 235



204, 217, 255



202, 196, 235



106, 109, 117



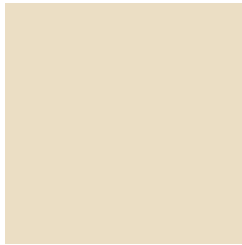
0, 46, 181



0, 14, 54

Previews

White Background



This preview shows how the RYB color 216, 235, 196 looks on a white background.

Color Contrast Check

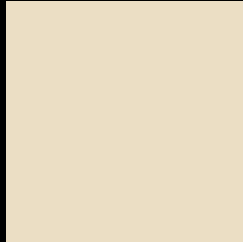
Large Text (above 18pt) WCAG AA × Fail

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 216, 235, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

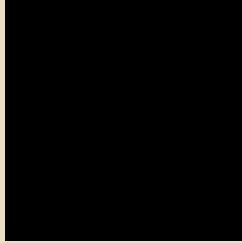
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

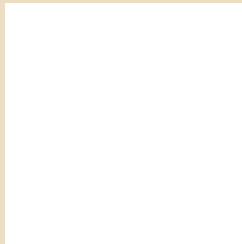
Any Text WCAG AAA ✓ Pass

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

RYB 216, 235, 196 Background



This preview shows how black text looks on a background with the RYB color 216, 235, 196.

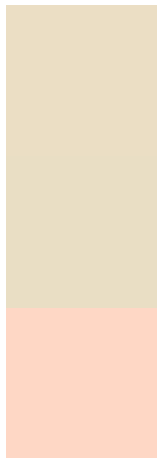


This preview shows how white text looks on a background with the RYB color 216, 235, 196.

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
216, 235, 196

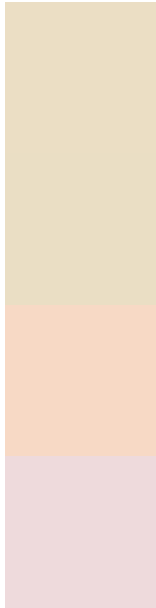
Protanopia
212, 233, 196

Deuteranopia
254, 223, 197



Tritanopia
240, 216, 233

Trichromacy



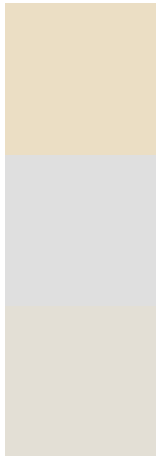
Original Color
216, 235, 196

Protanomaly
214, 234, 196

Deuteranomaly
247, 230, 197

Tritanomaly
238, 218, 220

Monochromacy



Original Color
216, 235, 196

Achromatopsia
223, 223, 223

Achromatomaly
219, 227, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 235, 196 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, 222, 196) looks like.

```
.text, #text, p{  
    color:rgb(235, 222, 196)  
}
```

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, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 222, 196) }
```

Border

The CSS property to change the border of an element to RYB 216, 235, 196 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, 222, 196) }
```

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

```
.border{ border-color:rgb(235, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(235, 222,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 216, 235, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 222, 196) }
```

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

```
.background{ background-color: rgb(235,  
222, 196) }
```

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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