

Converting Colors

`RYB(216, 238, 205)`

Have a look what the booklet for
RYB(216, 238, 205) contains.

RYB(216, 238, 205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(216, 238, 205)

Conversions

Conversions Part 1

Format	Color
Hex	EEE6CD
RGB	238, 230, 205
RGB Percent	93%, 90%, 80%
CMY	0.0667, 0.0990, 0.1961
CMYK	0.00, 0.03, 0.14, 0.07
HSL	45°, 49%, 87%
HSV	45°, 14%, 93%
XYZ	74.5066, 79.0395, 69.0868
YIQ	229.5420, 12.7930, -6.0790

Conversions

Conversions Part 2

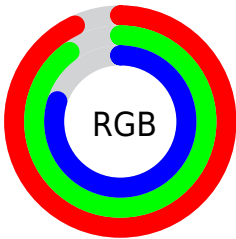
Format	Color
RYB	216, 238, 205
Decimal	15656653
CIELab	91.25, -1.27, 13.06
CIELCh	91, 13.119, 95.561
Yxy	79.0395, 0.3347, 0.3550
Android (android.graphics.Color)	4293846733 (0xFFEEE6CD)
YUV	229.5420, -12.0992, 7.4177
Hunter-Lab	88.9042, -5.9894, 16.1590

Details

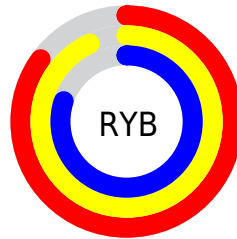
The RYB color **216, 238, 205** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **205, 211, 238**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **255, 255, 255**, and **160, 182, 151** is the 20% darker color. If you saturate the color by 10%, you get **200, 238, 181**, and if you desaturate by 10%, it is **232, 238, 229**.

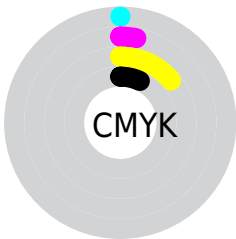
Distribution



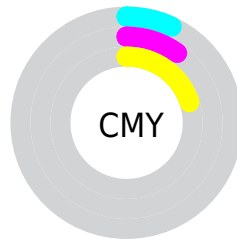
- Red (93%)
- Green (90%)
- Blue (80%)



- Red (85%)
- Yellow (93%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (14%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 238, 205 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, 238, 205 by changing the saturation by 10% instead.

■ 216, 238, 205

255, 255, 255

■ 216, 238, 205

■ 189, 210, 178

■ 162, 182, 151

■ 134, 155, 125

■ 109, 129, 100

■ 85, 104, 76

■ 61, 79, 53

■ 38, 56, 32

■ 15, 35, 9

■ 0, 5, 1

 216, 238, 205

 216, 238, 205

 200, 238, 181

 232, 238, 229

 184, 238, 157

 238, 241, 253

 169, 238, 134


 238, 244, 255


 153, 238, 110

 238, 246, 255

 137, 238, 86

 238, 247, 255

 121, 238, 62

 105, 238, 38

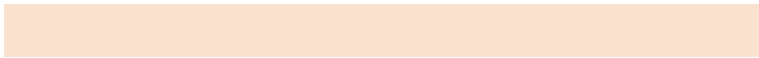
 90, 238, 15

 78, 238, 0

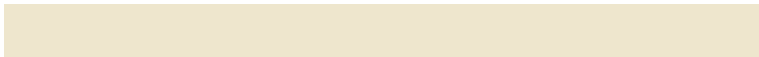
Harmonies

Analogous

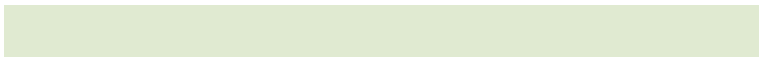
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



250, 241, 207



216, 238, 205



209, 234, 219

Triad

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



216, 238, 205



199, 220, 244



249, 223, 241

Complementary

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



216, 238, 205



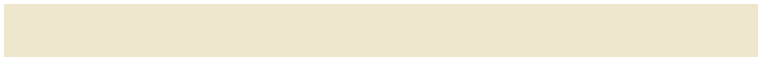
205, 211, 238

Split Complementary

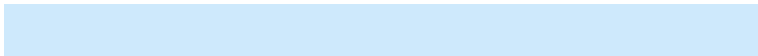
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235, 226, 250



216, 238, 205



206, 223, 252

Square

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



216, 238, 205



201, 221, 238



220, 228, 255



255, 221, 228

Rectangle

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



216, 238, 205



214, 235, 236



220, 228, 255



245, 224, 244

Sweetspot

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



216, 238, 205



249, 255, 245



238, 205, 213



124, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



216, 238, 205



227, 255, 212



205, 238, 213



112, 120, 108



61, 184, 0



19, 56, 0

Inverse Universe

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



205, 211, 238



212, 220, 255



213, 205, 238



108, 110, 120



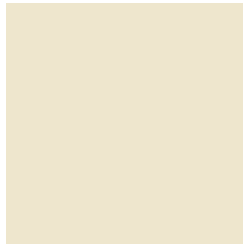
0, 37, 184



0, 11, 56

Previews

White Background



This preview shows how the RYB color 216, 238, 205 looks on a white background.

Color Contrast Check

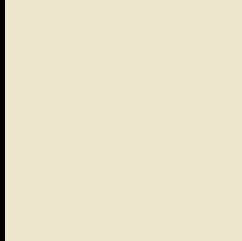
Large Text (above 18pt) WCAG AA × Fail

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, 238, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

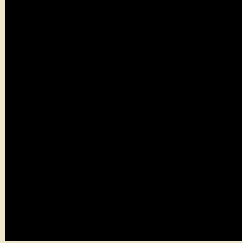
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

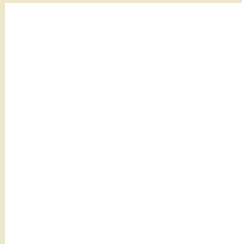
Any Text WCAG AAA ✓ Pass

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

RYP 216, 238, 205 Background



This preview shows how black text looks on a background with the RYB color 216, 238, 205.

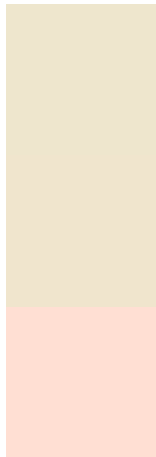


This preview shows how white text looks on a background with the RYB color 216, 238, 205.

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, 238, 205

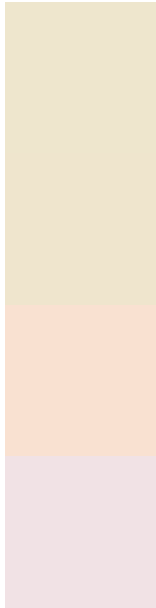
Protanopia
221, 240, 205

Deuteranopia
255, 228, 211



Tritanopia
243, 224, 242

Trichromacy



Original Color

216, 238, 205

Protanomaly

219, 239, 205

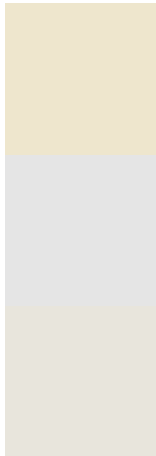
Deuteranomaly

249, 236, 209

Tritanomaly

241, 226, 229

Monochromacy



Original Color

216, 238, 205

Achromatopsia

229, 229, 229

Achromatomaly

224, 232, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 238, 205 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(238, 230, 205) looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 205)  
}
```

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(238, 230, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 205) }
```

Border

The CSS property to change the border of an element to RYB 216, 238, 205 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(238, 230, 205) }
```

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

```
.border{ border-color:rgb(238, 230, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 205);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 216, 238, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 205) }
```

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

```
.background{ background-color: rgb(238,  
230, 205) }
```

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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