

Converting Colors

`RYB(237, 245, 220)`

Have a look what the booklet for
RYB(237, 245, 220) contains.

RYB(237, 245, 220)	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

R_YB(237, 245, 220)

Conversions

Conversions Part 1

Format	Color
Hex	F5EBDC
RGB	245, 235, 220
RGB Percent	96%, 92%, 86%
CMY	0.0392, 0.0789, 0.1373
CMYK	0.00, 0.04, 0.10, 0.04
HSL	36°, 56%, 91%
HSV	36°, 10%, 96%
XYZ	80.2487, 83.9283, 79.6804
YIQ	236.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

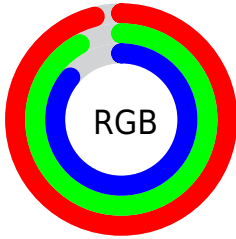
Format	Color
RYB	237, 245, 220
Decimal	16116700
CIELab	93.42, 0.94, 8.42
CIElCh	93, 8.476, 83.640
Yxy	83.9283, 0.3291, 0.3442
Android (android.graphics.Color)	4294306780 (0xFFF5EBDC)
YUV	236.2800, -8.0260, 7.6474
Hunter-Lab	91.6124, -3.9630, 12.5609

Details

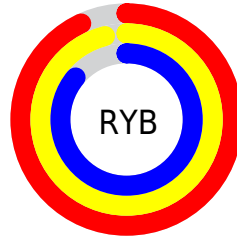
The RYB color **237, 245, 220** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **220, 227, 245**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **255, 255, 255**, and **182, 189, 165** is the 20% darker color. If you saturate the color by 10%, you get **230, 245, 196**, and if you desaturate by 10%, it is **245, 245, 245**.

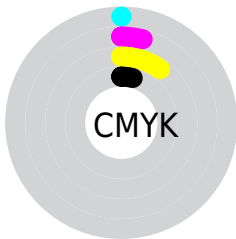
Distribution



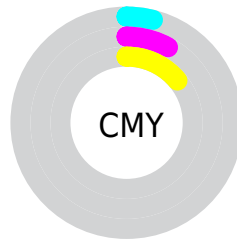
- Red (96%)
- Green (92%)
- Blue (86%)



- Red (93%)
- Yellow (96%)
- Blue (86%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 245, 220 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 237, 245, 220 by changing the saturation by 10% instead.

■ 237, 245, 220

255, 255, 255

■ 237, 245, 220

■ 209, 217, 192

■ 182, 189, 165

■ 157, 162, 139

■ 126, 135, 113

■ 102, 110, 89

■ 76, 85, 65

■ 54, 62, 43

■ 32, 40, 23


■ 14, 19, 0

 237, 245, 220

 237, 245, 220

 230, 245, 196

 245, 245, 245


 221, 245, 171

 245, 250, 255


 215, 245, 147

 206, 245, 122

 199, 245, 98

 191, 245, 73

 184, 245, 49

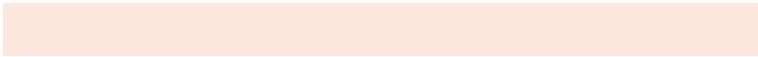
 173, 245, 24

 166, 245, 0

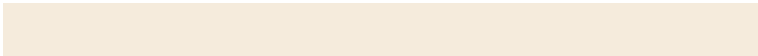
Harmonies

Analogous

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



252, 236, 223



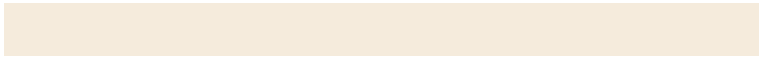
237, 245, 220



221, 238, 223

Triad

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



237, 245, 220



216, 229, 242



245, 232, 246

Complementary

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



237, 245, 220



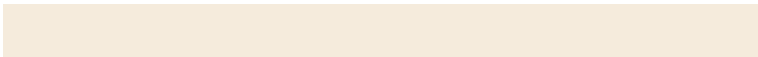
220, 227, 245

Split Complementary

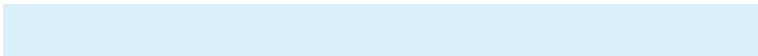
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



236, 235, 251



237, 245, 220



219, 231, 249

Square

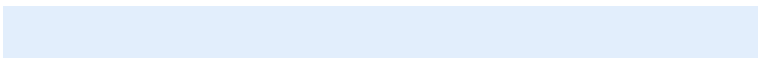
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



237, 245, 220



219, 232, 241



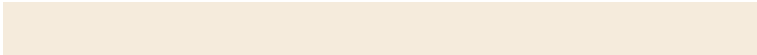
226, 234, 252



252, 231, 238

Rectangle

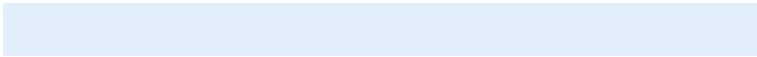
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



237, 245, 220



224, 239, 234



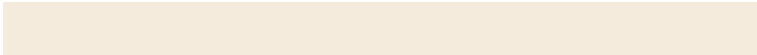
226, 234, 252



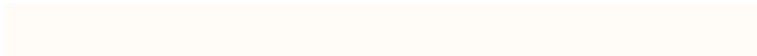
242, 233, 248

Sweetspot

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



237, 245, 220



252, 255, 247



245, 220, 230



128, 128, 122



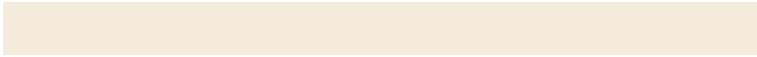
0, 0, 0



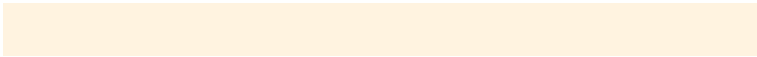
128, 128, 128

Same Dimension

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



237, 245, 220



244, 255, 224



220, 245, 222



119, 122, 110



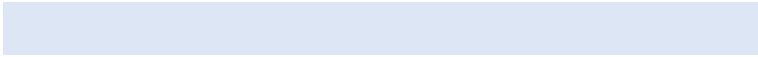
126, 186, 0



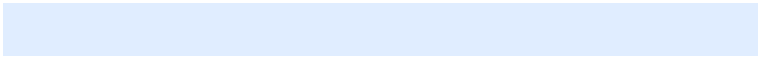
40, 59, 0

Inverse Universe

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



220, 227, 245



224, 233, 255



222, 220, 245



110, 114, 122



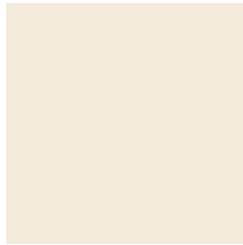
0, 53, 186



0, 17, 59

Previews

White Background



This preview shows how the RYB color 237, 245, 220 looks on a white background.

Color Contrast Check

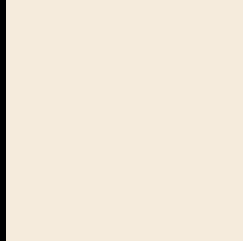
Large Text (above 18pt) WCAG AA × Fail

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 237, 245, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

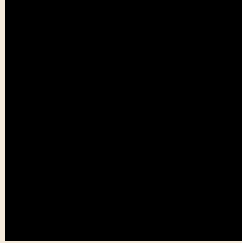
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

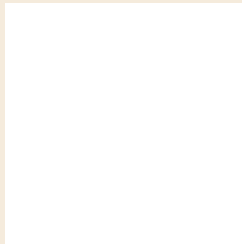
Any Text WCAG AAA ✓ Pass

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

RYB 237, 245, 220 Background



This preview shows how black text looks on a background with the RYB color 237, 245, 220.

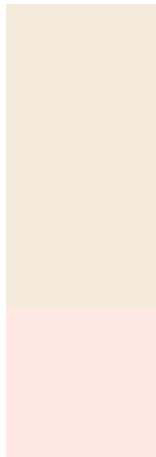


This preview shows how white text looks on a background with the RYB color 237, 245, 220.

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
237, 245, 220

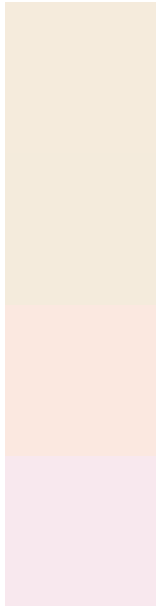
Protanopia
234, 244, 220

Deuteranopia
255, 232, 227



Tritanopia
249, 231, 249

Trichromacy



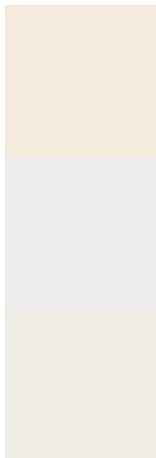
Original Color
237, 245, 220

Protanomaly
234, 244, 220

Deuteranomaly
251, 235, 224

Tritanomaly
248, 232, 238

Monochromacy



Original Color
237, 245, 220

Achromatopsia
236, 236, 236

Achromatomaly
235, 239, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 245, 220 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(245, 235, 220) looks like.

```
.text, #text, p{  
    color:rgb(245, 235, 220)  
}
```

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(245, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 235, 220) }
```

Border

The CSS property to change the border of an element to RYB 237, 245, 220 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(245, 235, 220) }
```

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

```
.border{ border-color:rgb(245, 235, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 235, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(245, 235,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 237, 245, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 235, 220) }
```

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

```
.background{ background-color: rgb(245,  
235, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor