

Converting Colors

`RYB(245, 235, 228)`

Have a look what the booklet for
RYB(245, 235, 228) contains.

RYB(245, 235, 228)	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(245, 235, 228)

Conversions

Conversions Part 1

Format	Color
Hex	F5E9E4
RGB	245, 233, 228
RGB Percent	96%, 91%, 89%
CMY	0.0392, 0.0864, 0.1059
CMYK	0.00, 0.05, 0.07, 0.04
HSL	18°, 46%, 93%
HSV	18°, 7%, 96%
XYZ	80.7869, 83.2682, 85.2132
YIQ	236.0180, 8.7570, 0.9890

Conversions

Conversions Part 2

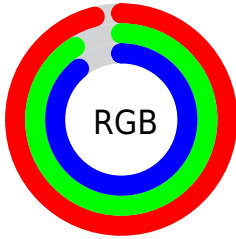
Format	Color
R _Y B	245, 235, 228
Decimal	16116196
CIE Lab	93.13, 3.23, 3.85
CIE LCh	93, 5.027, 49.976
Yxy	83.2682, 0.3241, 0.3341
Android (android.graphics.Color)	4294306276 (0xFF5E9E4)
YUV	236.0180, -3.9529, 7.8772
Hunter-Lab	91.2514, -1.6599, 8.5092

Details

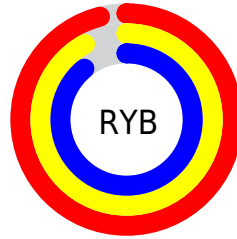
The RYB color **245, 235, 228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **228, 235, 245**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is 255, 255, 255, and **189, 178, 173** is the 20% darker color. If you saturate the color by 10%, you get **245, 222, 203**, and if you desaturate by 10%, it is 245, 248, 252.

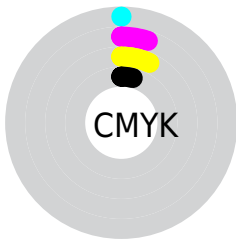
Distribution



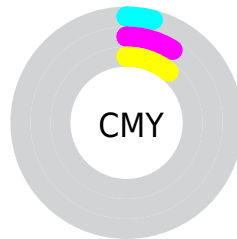
- Red (96%)
- Green (91%)
- Blue (89%)



- Red (96%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 235, 228 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 245, 235, 228 by changing the saturation by 10% instead.

 245, 235, 228

255, 255, 255

 245, 235, 228


 217, 207, 200

 189, 178, 173


 162, 153, 146

 135, 128, 120

 110, 102, 96

 86, 78, 72

 62, 54, 50

 40, 33, 29

 21, 13, 2

 245, 235, 228

 245, 235, 228

 245, 222, 203

 245, 248, 252


 245, 206, 179


 245, 250, 255


 245, 192, 155

 245, 178, 130

 245, 162, 106

 245, 149, 81

 245, 133, 57

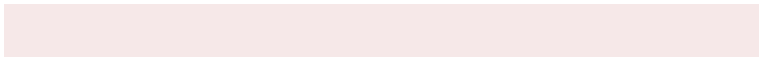
 245, 119, 32

 245, 105, 8

Harmonies

Analogous

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



246, 232, 232



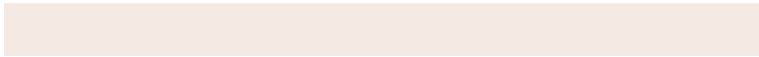
245, 235, 228



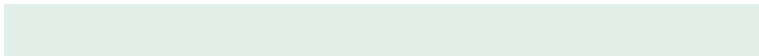
239, 241, 226

Triad

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



245, 235, 228



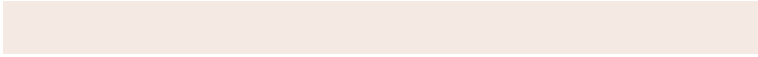
226, 234, 238



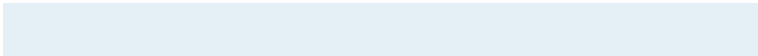
234, 235, 244

Complementary

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



245, 235, 228



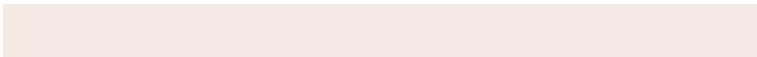
228, 235, 245

Split Complementary

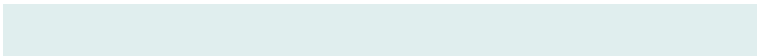
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229, 234, 245



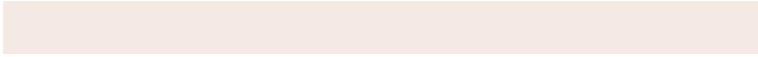
245, 235, 228



224, 231, 238

Square

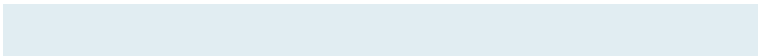
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



245, 235, 228



229, 237, 236



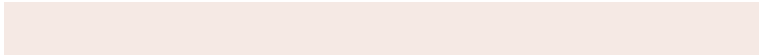
225, 232, 242



240, 233, 242

Rectangle

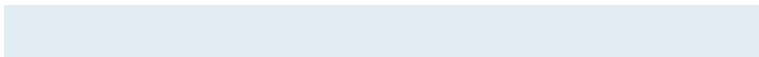
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



245, 235, 228



230, 238, 226



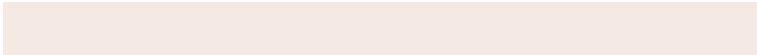
225, 232, 242



232, 234, 245

Sweetspot

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



245, 235, 228



255, 251, 250



245, 228, 240



128, 127, 125



0, 0, 0



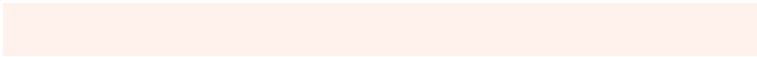
128, 128, 128

Same Dimension

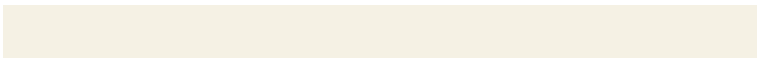
The Same Dimension uses a secret algorithm to generate beautiful new colors.



245, 235, 228



255, 244, 235



233, 245, 228



122, 116, 110



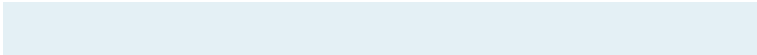
186, 76, 0



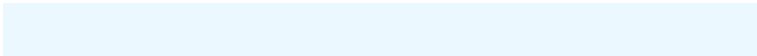
59, 24, 0

Inverse Universe

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



228, 235, 245



235, 243, 255



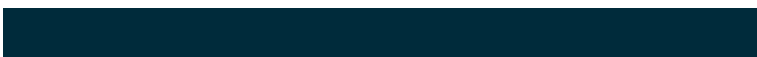
228, 231, 245



110, 115, 122



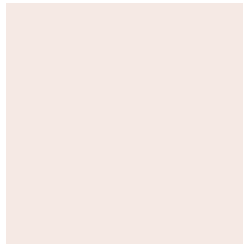
0, 77, 186



0, 25, 59

Previews

White Background



This preview shows how the RYB color 245, 235, 228 looks on a white background.

Color Contrast Check

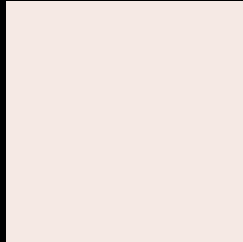
Large Text (above 18pt) WCAG AA × Fail

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 245, 235, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

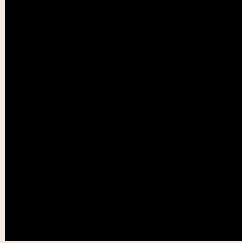
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

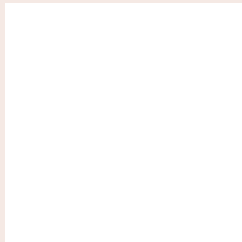
Any Text WCAG AAA ✓ Pass

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

RYB 245, 235, 228 Background



This preview shows how black text looks on a background with the RYB color 245, 235, 228.

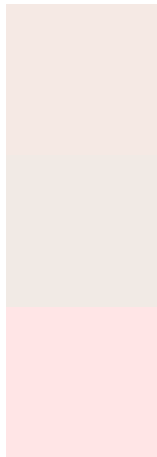


This preview shows how white text looks on a background with the RYB color 245, 235, 228.

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
245, 235, 228

Protanopia
241, 238, 229

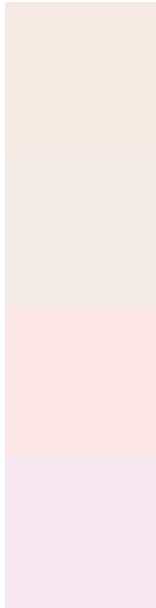
Deuteranopia
255, 229, 230



Tritanopia

248, 230, 248

Trichromacy



Original Color

245, 235, 228

Protanomaly

242, 237, 229

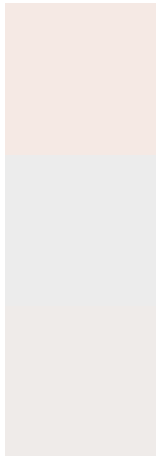
Deuteranomaly

251, 230, 229

Tritanomaly

247, 231, 241

Monochromacy



Original Color

245, 235, 228

Achromatopsia

236, 236, 236

Achromatomaly

239, 236, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 235, 228 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, 233, 228) looks like.

```
.text, #text, p{  
    color:rgb(245, 233, 228)  
}
```

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, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 233, 228) }
```

Border

The CSS property to change the border of an element to RYB 245, 235, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

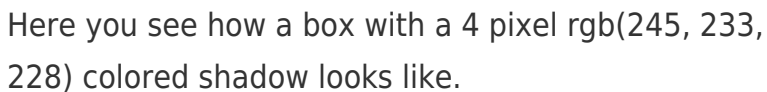
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 233, 228) }
```

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

```
.border{ border-color:rgb(245, 233, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(245, 233, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 233, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 233, 228); box-shadow:4px 4px 4px 4px rgb(245, 233, 228) }
```

Background

The CSS property to change the background color of an element to RYB 245, 235, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 233, 228) }
```

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

```
.background{ background-color: rgb(245,  
233, 228) }
```

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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