

# Converting Colors

`RYB(235, 245, 228)`

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

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# **Color**

**R<sub>Y</sub>B(235, 245, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F0E4
RGB	245, 240, 228
RGB Percent	96%, 94%, 89%
CMY	0.0392, 0.0587, 0.1059
CMYK	0.00, 0.02, 0.07, 0.04
HSL	42°, 46%, 93%
HSV	42°, 7%, 96%
XYZ	82.8321, 87.3586, 85.8950
YIQ	240.1270, 6.8320, -2.6720

# Conversions

## Conversions Part 2

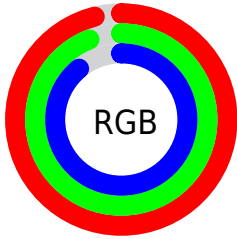
Format	Color
R <sub>Y</sub> B	235, 245, 228
Decimal	16117988
CIE Lab	94.89, -0.38, 6.39
CIE LCh	95, 6.403, 93.432
Yxy	87.3586, 0.3235, 0.3411
Android (android.graphics.Color)	4294308068 (0xFF5F0E4)
YUV	240.1270, -5.9786, 4.2736
Hunter-Lab	93.4658, -5.3733, 10.9387

# Details

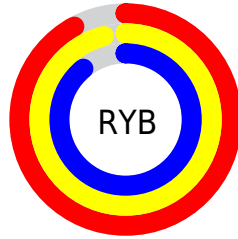
The RYB color **235, 245, 228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **228, 232, 245**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 189, 173** is the 20% darker color. If you saturate the color by 10%, you get **220, 245, 203**, and if you desaturate by 10%, it is **245, 247, 252**.

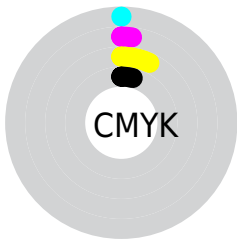
# Distribution



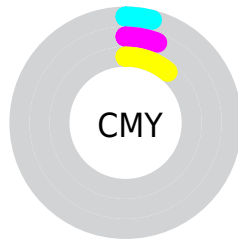
- Red (96%)
- Green (94%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

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



■ 235, 245, 228

255, 255, 255

■ 235, 245, 228

■ 207, 217, 200

■ 180, 189, 173

■ 153, 162, 146

■ 125, 135, 120

■ 102, 110, 96

■ 78, 86, 72

■ 53, 62, 49

■ 33, 40, 29

■ 9, 21, 2

 235, 245, 228

 235, 245, 228

 220, 245, 203

 245, 247, 252

 206, 245, 179


 245, 250, 255

 192, 245, 155

 245, 250, 255

 178, 245, 130

 164, 245, 106

 149, 245, 81

 135, 245, 57

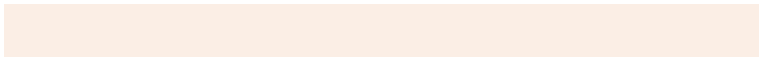
 119, 245, 32

 105, 245, 8

# Harmonies

## Analogous

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



251, 244, 229



235, 245, 228



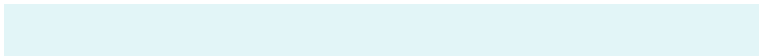
230, 242, 234

# Triad

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



235, 245, 228



226, 236, 247



249, 237, 246

# Complementary

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



235, 245, 228



228, 232, 245

# Split Complementary

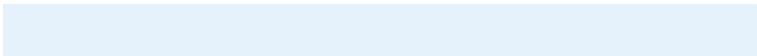
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



243, 239, 251



235, 245, 228



229, 237, 251

# Square

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



235, 245, 228



226, 236, 244



235, 239, 252



253, 236, 240

# Rectangle

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



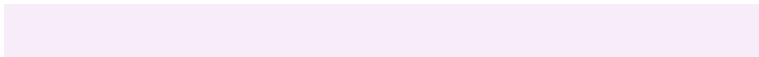
235, 245, 228



233, 243, 243



235, 239, 252



247, 237, 248



# Sweetspot

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



235, 245, 228



251, 255, 250



245, 228, 233



127, 128, 125



0, 0, 0



128, 128, 128

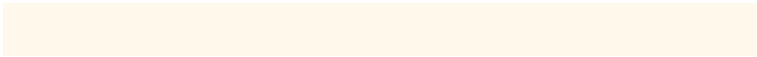


# Same Dimension

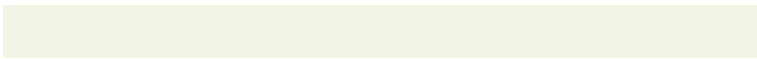
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235, 245, 228



244, 255, 235



228, 245, 231



114, 122, 110



76, 186, 0



24, 59, 0

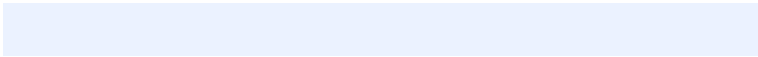


# Inverse Universe

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



228, 232, 245



235, 240, 255



231, 228, 245



110, 113, 122



0, 42, 186

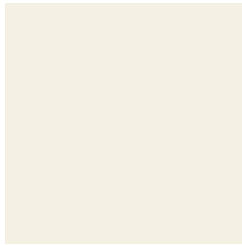


0, 13, 59



# Previews

## White Background



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

## Color Contrast Check

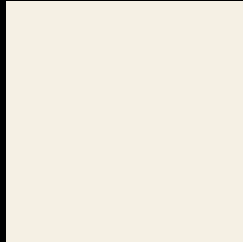
Large Text (above 18pt) WCAG AA × Fail

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 235, 245, 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

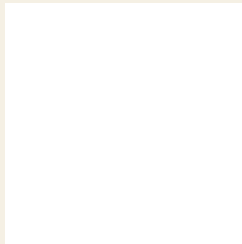
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 235, 245, 228 Background**



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

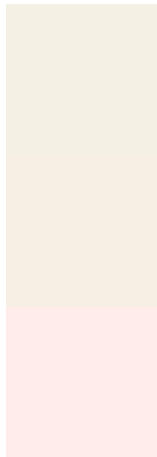


This preview shows how white text looks on a background with the RYB color 235, 245, 228.

# 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**  
235, 245, 228

**Protanopia**  
242, 247, 228

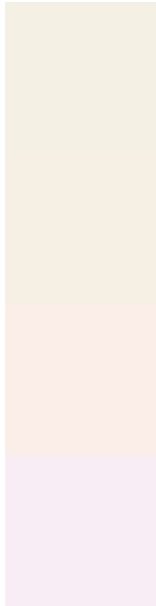
**Deuteranopia**  
255, 236, 235



# Tritanopia

249, 236, 255

# Trichromacy



**Original Color**

235, 245, 228

**Protanomaly**

239, 246, 228

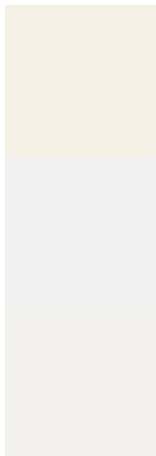
**Deuteranomaly**

251, 239, 232

**Tritanomaly**

248, 237, 245

# Monochromacy



**Original Color**

235, 245, 228

**Achromatopsia**

240, 240, 240

**Achromatomaly**

239, 242, 236

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 235, 245, 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, 240, 228) looks like.

```
.text, #text, p{  
    color:rgb(245, 240, 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, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 240, 228) }
```

## Border

The CSS property to change the border of an element to RYB 235, 245, 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, 240, 228) }
```

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

```
.border{ border-color:rgb(245, 240, 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, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(245, 240,  
228) }
```

# Background

The CSS property to change the background color of an element to RGB 235, 245, 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, 240, 228) }
```

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

```
.background{ background-color: rgb(245,  
240, 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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