

# Converting Colors

`RYB(236, 247, 235)`

Have a look what the booklet for  
RYB(236, 247, 235) contains.

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# **Color**

**R<sub>Y</sub>B(236, 247, 235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F6EB
RGB	247, 246, 235
RGB Percent	97%, 96%, 92%
CMY	0.0314, 0.0350, 0.0784
CMYK	0.00, 0.00, 0.05, 0.03
HSL	55°, 43%, 95%
HSV	55°, 5%, 97%
XYZ	86.3323, 91.7307, 91.7528
YIQ	245.0450, 4.1270, -3.2090

# Conversions

## Conversions Part 2

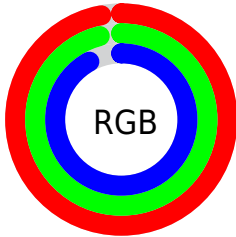
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 247, 235
Decimal	16250603
CIE Lab	96.71, -1.59, 5.42
CIE LCh	97, 5.649, 106.380
Yxy	91.7307, 0.3200, 0.3400
Android (android.graphics.Color)	4294440683 (0xFFFF7F6EB)
YUV	245.0450, -4.9522, 1.7145
Hunter-Lab	95.7761, -6.7088, 10.2439

# Details

The RYB color **236, 247, 235** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **235, 236, 247**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 191, 179** is the 20% darker color. If you saturate the color by 10%, you get **213, 247, 210**, and if you desaturate by 10%, it is **247, 248, 255**.

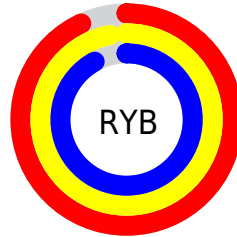
# Distribution



Red (97%)

Green (96%)

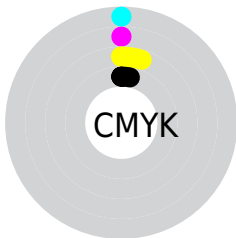
Blue (92%)



Red (93%)

Yellow (97%)

Blue (92%)

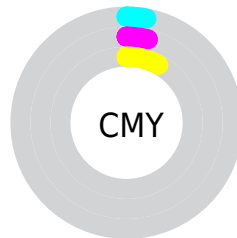


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (3%)



Cyan (3%)

Magenta (4%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 247, 235 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 236, 247, 235 by changing the saturation by 10% instead.




 236, 247, 235

255, 255, 255

 236, 247, 235

 207, 218, 207

 180, 191, 179

 154, 164, 153

 127, 137, 127

 103, 112, 102

 78, 87, 78

 55, 64, 55

 34, 42, 34

 12, 22, 11

 236, 247, 235

 236, 247, 235

 213, 247, 210

 247, 248, 255

 191, 247, 186

 247, 249, 255

 169, 247, 161

 247, 250, 255

 146, 247, 136

 247, 251, 255

 122, 247, 111

 247, 251, 255

 100, 247, 87

 77, 247, 62

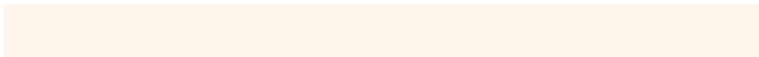
 54, 247, 37

 33, 247, 13

# Harmonies

## Analogous

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



253, 253, 235



236, 247, 235



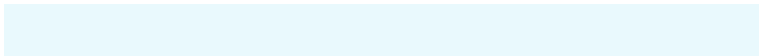
238, 248, 245

# Triad

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



236, 247, 235



233, 242, 253



255, 242, 248

# Complementary

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



236, 247, 235



235, 236, 247

# Split Complementary

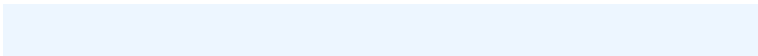
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



250, 243, 253



236, 247, 235



237, 243, 255

# Square

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



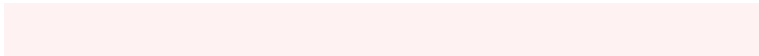
236, 247, 235



233, 241, 249



244, 245, 255



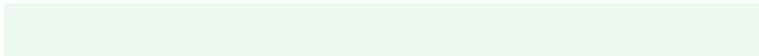
255, 242, 243

# Rectangle

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



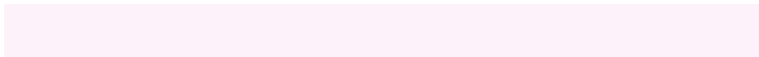
236, 247, 235



237, 245, 248



244, 245, 255



254, 242, 250



# Sweetspot

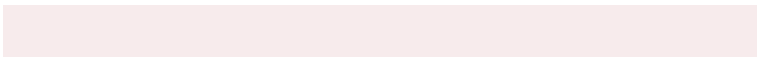
The Sweet Spot groups the original color and five complimentary colors.



236, 247, 235



252, 255, 252



247, 235, 236



128, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 247, 235



241, 255, 240



235, 247, 240



114, 122, 114



15, 186, 0



5, 59, 0



# Inverse Universe

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



235, 236, 247



240, 241, 255



240, 235, 247



114, 114, 122



0, 13, 186

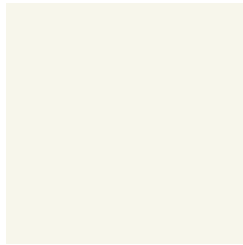


0, 5, 59



# Previews

## White Background



This preview shows how the RYB color 236, 247, 235 looks on a white background.

## Color Contrast Check

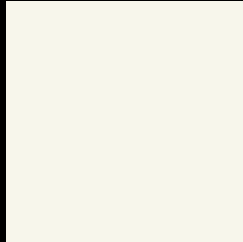
Large Text (above 18pt) WCAG AA × Fail

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 236, 247, 235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

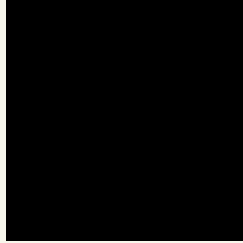
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

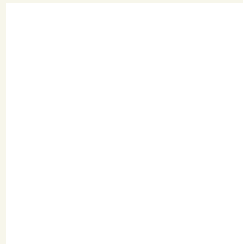
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 236, 247, 235 Background**



This preview shows how black text looks on a background with the RYB color 236, 247, 235.

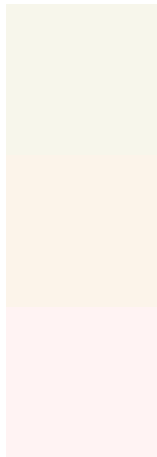


This preview shows how white text looks on a background with the RYB color 236, 247, 235.

# 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**  
236, 247, 235

**Protanopia**  
248, 252, 234

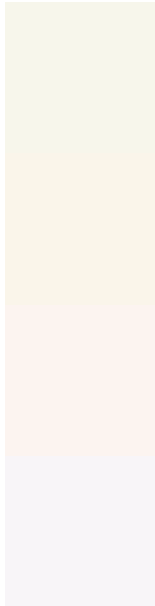
**Deuteranopia**  
255, 243, 243



# Tritanopia

249, 244, 255

# Trichromacy



## Original Color

236, 247, 235

## Protanomaly

241, 250, 234

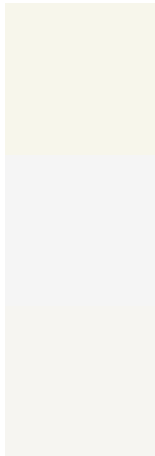
## Deuteranomaly

252, 246, 240

## Tritanomaly

248, 245, 248

# Monochromacy



## Original Color

236, 247, 235

## Achromatopsia

245, 245, 245

## Achromatomaly

242, 246, 241

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 247, 235 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(247, 246, 235) looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 235)  
}
```

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(247, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 235) }
```

## Border

The CSS property to change the border of an element to RYB 236, 247, 235 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(247, 246, 235) }
```

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

```
.border{ border-color:rgb(247, 246, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
235) }
```

# Background

The CSS property to change the background color of an element to RYB 236, 247, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 235) }
```

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

```
.background{ background-color: rgb(247,  
246, 235) }
```

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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