

# Converting Colors

`RYB(238, 245, 247)`

Have a look what the booklet for RYB(238, 245, 247) contains.

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# **Color**

**RVB(238, 245, 247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF7F1
RGB	238, 247, 241
RGB Percent	93%, 97%, 95%
CMY	0.0667, 0.0314, 0.0566
CMYK	0.04, 0.00, 0.03, 0.03
HSL	137°, 36%, 95%
HSV	137°, 4%, 97%
XYZ	84.3339, 91.0240, 96.0084
YIQ	243.6250, -3.4380, -3.7740

# Conversions

## Conversions Part 2

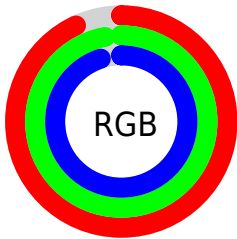
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 245, 247
Decimal	15661041
CIE Lab	96.42, -4.11, 2.04
CIE LCh	96, 4.588, 153.555
Yxy	91.0240, 0.3108, 0.3354
Android (android.graphics.Color)	4293851121 (0xFFEEF7F1)
YUV	243.6250, -1.2941, -4.9331
Hunter-Lab	95.4065, -9.1775, 7.1205

# Details

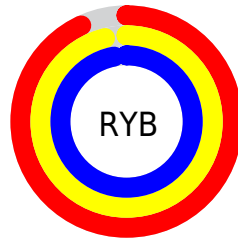
The RYB color **238, 245, 247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **247, 238, 244**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **182, 189, 191** is the 20% darker color. If you saturate the color by 10%, you get **213, 239, 247**, and if you desaturate by 10%, it is **255, 247, 255**.

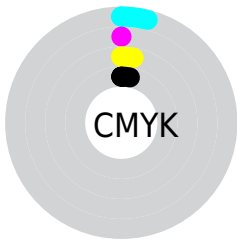
# Distribution



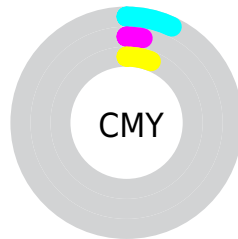
- Red (93%)
- Green (97%)
- Blue (95%)



- Red (93%)
- Yellow (96%)
- Blue (97%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 238, 245, 247 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 238, 245, 247 by changing the saturation by 10% instead.




 238, 245, 247

 238, 245, 247


255, 255, 255

 210, 217, 219

 182, 189, 191

 155, 162, 164

 129, 135, 137

 104, 110, 112

 80, 86, 88

 57, 62, 64

 36, 41, 42

 14, 20, 22

 238, 245, 247

 238, 245, 247

 213, 239, 247

 255, 247, 255

 189, 234, 247

 164, 228, 247


 139, 223, 247

 115, 218, 247

 90, 212, 247

 65, 207, 247

 40, 201, 247

 16, 196, 247

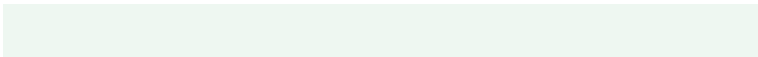
# Harmonies

## Analogous

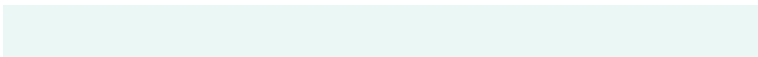
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237, 246, 240



238, 245, 247



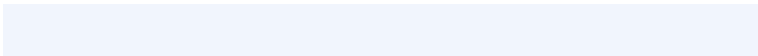
235, 242, 247

# Triad

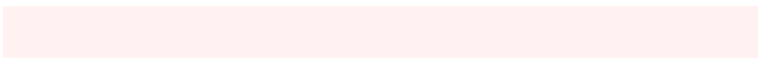
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



238, 245, 247



241, 244, 253



255, 242, 240

# Complementary

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



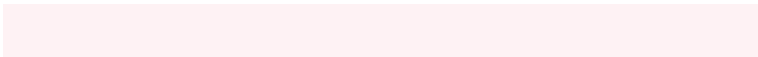
238, 245, 247



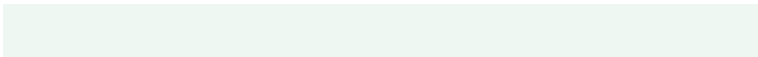
247, 238, 244

# 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.



254, 242, 244



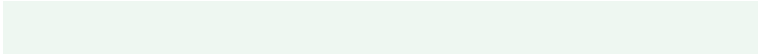
238, 245, 247



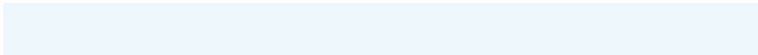
246, 243, 252

# Square

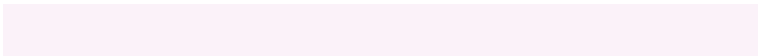
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



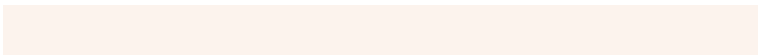
238, 245, 247



237, 243, 252



251, 242, 249



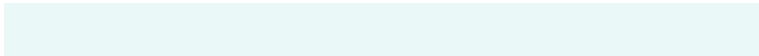
252, 247, 237

# Rectangle

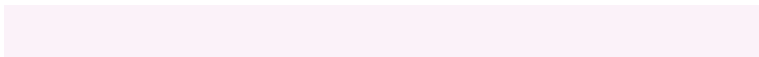
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



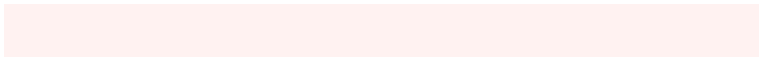
238, 245, 247



234, 241, 248



251, 242, 249



255, 242, 241



# Sweetspot

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



238, 245, 247



252, 254, 255



238, 247, 241



126, 127, 128



0, 0, 0



128, 128, 128



# Same Dimension

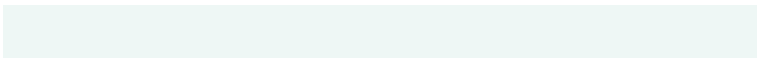
The Same Dimension uses a secret algorithm to generate beautiful new colors.



238, 245, 247



245, 253, 255



238, 243, 247



116, 121, 122



0, 145, 186



0, 46, 59



# Inverse Universe

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



247, 238, 244



255, 245, 252



247, 238, 240



122, 116, 121



186, 0, 133

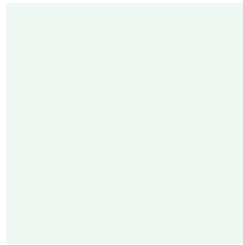


59, 0, 42



# Previews

## White Background



This preview shows how the RYB color 238, 245, 247 looks on a white background.

## Color Contrast Check

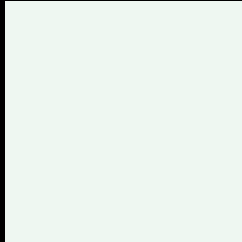
Large Text (above 18pt) WCAG AA × Fail

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 238, 245, 247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

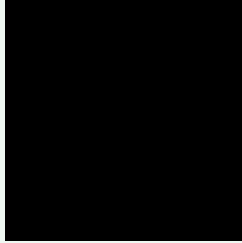
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

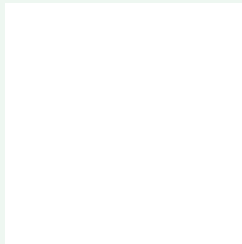
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 238, 245, 247 Background**



This preview shows how black text looks on a background with the RYB color 238, 245, 247.

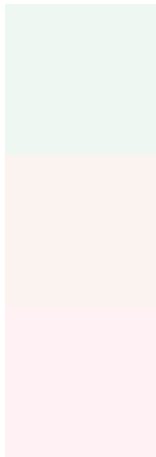


This preview shows how white text looks on a background with the RYB color 238, 245, 247.

# 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**  
238, 245, 247

**Protanopia**  
250, 245, 239

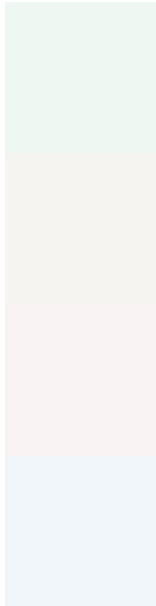
**Deuteranopia**  
255, 241, 244



# Tritanopia

243, 244, 255

# Trichromacy



## Original Color

238, 245, 247

## Protanomaly

243, 246, 240

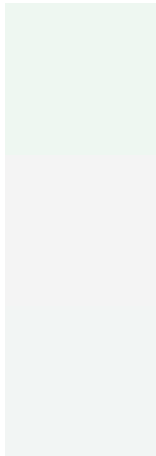
## Deuteranomaly

249, 243, 243

## Tritanomaly

241, 244, 250

# Monochromacy



## Original Color

238, 245, 247

## Achromatopsia

244, 244, 244

## Achromatomaly

242, 244, 245

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 238, 245, 247 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, 247, 241) looks like.

```
.text, #text, p{  
    color:rgb(238, 247, 241)  
}
```

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, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 247, 241) }
```

## Border

The CSS property to change the border of an element to RYB 238, 245, 247 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, 247, 241) }
```

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

```
.border{ border-color:rgb(238, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(238, 247,  
241) }
```

# Background

The CSS property to change the background color of an element to RGB 238, 245, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 247, 241) }
```

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

```
.background{ background-color: rgb(238,  
247, 241) }
```

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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