

# Converting Colors

`RYB(239, 250, 249)`

Have a look what the booklet for RYB(239, 250, 249) contains.

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# **Color**

**R<sub>Y</sub>B(239, 250, 249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FAEF
RGB	240, 250, 239
RGB Percent	94%, 98%, 94%
CMY	0.0588, 0.0196, 0.0627
CMYK	0.04, 0.00, 0.04, 0.02
HSL	115°, 52%, 96%
HSV	115°, 4%, 98%
XYZ	85.7008, 93.1285, 95.1200
YIQ	245.7560, -2.4290, -5.5410

# Conversions

## Conversions Part 2

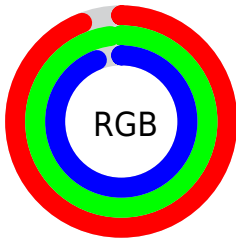
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 250, 249
Decimal	15792879
CIE Lab	97.28, -5.23, 4.12
CIE LCh	97, 6.659, 141.788
Yxy	93.1285, 0.3128, 0.3399
Android (android.graphics.Color)	4293982959 (0xFF0FAEF)
YUV	245.7560, -3.3307, -5.0480
Hunter-Lab	96.5031, -10.3613, 9.1119

# Details

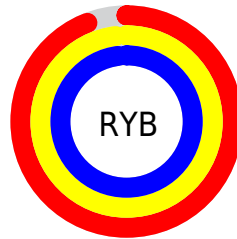
The RYB color **239, 250, 249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **249, 239, 250**, and the grayscale version is **246, 246, 246**.

A 20% lighter version of the original color is **255, 255, 255**, and **183, 194, 193** is the 20% darker color. If you saturate the color by 10%, you get **214, 250, 247**, and if you desaturate by 10%, it is **255, 250, 255**.

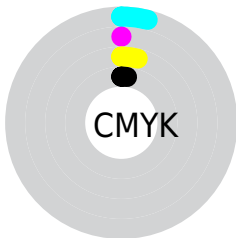
# Distribution



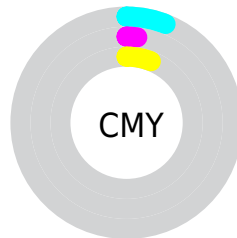
- Red (94%)
- Green (98%)
- Blue (94%)



- Red (94%)
- Yellow (98%)
- Blue (98%)



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



- Cyan (6%)
- Magenta (2%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 239, 250, 249 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 239, 250, 249 by changing the saturation by 10% instead.



 239, 250, 249


255, 255, 255

 239, 250, 249


 211, 221, 220

 183, 194, 193

 156, 166, 165

 130, 140, 139

 105, 115, 114

 81, 90, 89

 58, 67, 66

 36, 44, 43

 15, 24, 23

 239, 250, 249

 239, 250, 249

 214, 250, 247

 255, 250, 255

 189, 250, 244

 164, 250, 242


 139, 250, 240

 114, 250, 238

 89, 250, 235

 64, 250, 233

 39, 250, 231

 14, 250, 229

# Harmonies

## Analogous

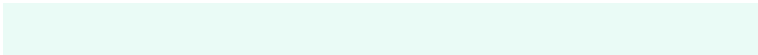
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



235, 248, 235



239, 250, 249



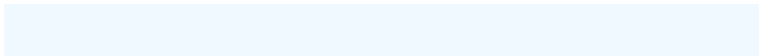
234, 244, 251

# Triad

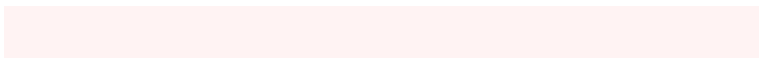
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



239, 250, 249



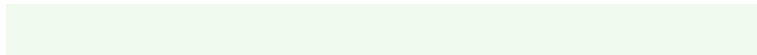
239, 245, 255



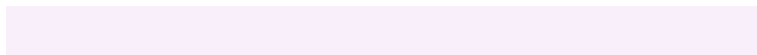
255, 243, 243

# Complementary

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



239, 250, 249



249, 239, 250

# 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.



255, 243, 249



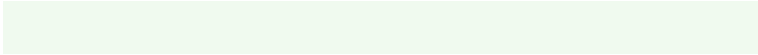
239, 250, 249



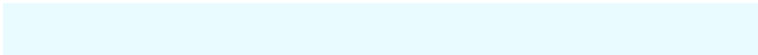
246, 246, 255

# Square

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



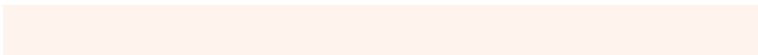
239, 250, 249



233, 243, 255



254, 244, 255



255, 248, 237

# Rectangle

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



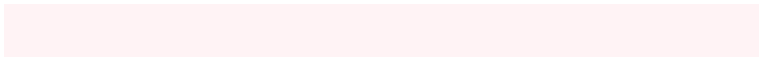
239, 250, 249



232, 242, 251



254, 244, 255



255, 243, 245



# Sweetspot

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



239, 250, 249



252, 255, 254



240, 250, 239



126, 128, 128



0, 0, 0



128, 128, 128



# Same Dimension

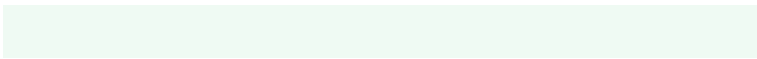
The Same Dimension uses a secret algorithm to generate beautiful new colors.



239, 250, 249



242, 255, 254



239, 247, 250



117, 125, 124



0, 189, 172



0, 61, 55



# Inverse Universe

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



249, 239, 250



254, 242, 255



250, 239, 246



124, 117, 125



172, 0, 189

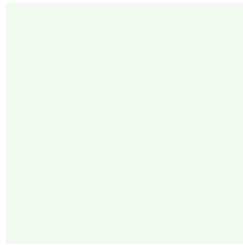


56, 0, 61



# Previews

## White Background



This preview shows how the RYB color 239, 250, 249 looks on a white background.

## Color Contrast Check

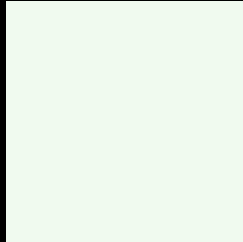
Large Text (above 18pt) WCAG AA × Fail

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 239, 250, 249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

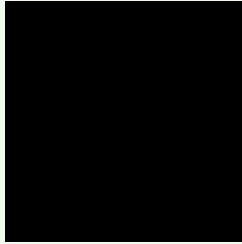
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

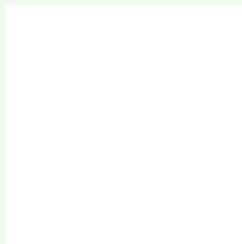
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 239, 250, 249 Background**



This preview shows how black text looks on a background with the RYB color 239, 250, 249.

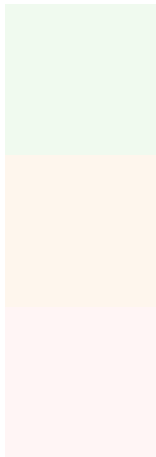


This preview shows how white text looks on a background with the RYB color 239, 250, 249.

# 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**  
239, 250, 249

**Protanopia**  
252, 254, 237

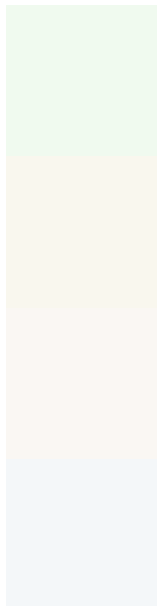
**Deuteranopia**  
255, 245, 245



# Tritanopia

246, 247, 255

# Trichromacy



## Original Color

239, 250, 249

## Protanomaly

240, 249, 238

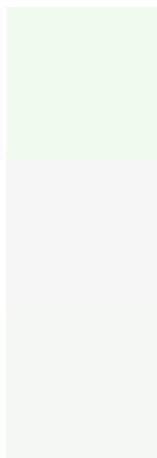
## Deuteranomaly

248, 250, 243

## Tritanomaly

244, 246, 249

# Monochromacy



## Original Color

239, 250, 249

## Achromatopsia

246, 246, 246

## Achromatomaly

243, 247, 246

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 239, 250, 249 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(240, 250, 239) looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 239)  
}
```

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(240, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 239) }
```

## Border

The CSS property to change the border of an element to RYB 239, 250, 249 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(240, 250, 239) }
```

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

```
.border{ border-color:rgb(240, 250, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 250, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(240, 250,  
239) }
```

# Background

The CSS property to change the background color of an element to RGB 239, 250, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 239) }
```

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

```
.background{ background-color: rgb(240,  
250, 239) }
```

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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