

# Converting Colors

`RYB(232, 239, 251)`

Have a look what the booklet for  
RYB(232, 239, 251) contains.

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# Color

**R<sub>Y</sub>B(232, 239, 251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F3FB
RGB	232, 243, 251
RGB Percent	91%, 95%, 98%
CMY	0.0902, 0.0467, 0.0157
CMYK	0.08, 0.03, 0.00, 0.02
HSL	205°, 70%, 95%
HSV	205°, 8%, 98%
XYZ	82.7668, 88.2719, 103.9427
YIQ	240.6230, -9.1240, 0.1560

# Conversions

## Conversions Part 2

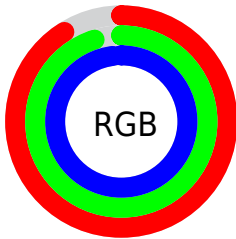
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 239, 251
Decimal	15266811
CIE <sub>Lab</sub>	95.28, -2.17, -5.07
CIE <sub>LCh</sub>	95, 5.518, 246.858
Yxy	88.2719, 0.3010, 0.3210
Android (android.graphics.Color)	4293456891 (0xFFE8F3FB)
YUV	240.6230, 5.1159, -7.5624
Hunter-Lab	93.9531, -7.1706, 0.1732

# Details

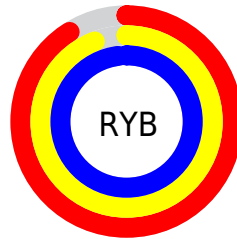
The RYB color **232, 239, 251** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **251, 246, 232**, and the grayscale version is **241, 241, 241**.

A 20% lighter version of the original color is **255, 255, 255**, and **176, 183, 195** is the 20% darker color. If you saturate the color by 10%, you get **207, 223, 251**, and if you desaturate by 10%, it is **252, 255, 251**.

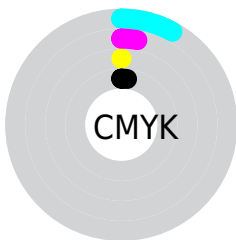
# Distribution



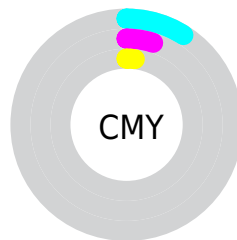
- Red (91%)
- Green (95%)
- Blue (98%)



- Red (91%)
- Yellow (94%)
- Blue (98%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 232, 239, 251 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 232, 239, 251 by changing the saturation by 10% instead.



■ 232, 239, 251

255, 255, 255

■ 232, 239, 251

■ 204, 211, 222

■ 176, 183, 195

■ 150, 156, 167

■ 124, 130, 141

■ 99, 105, 115

■ 75, 81, 91

■ 52, 58, 67

■ 31, 36, 45

■ 8, 15, 25

232, 239, 251

232, 239, 251

207, 223, 251

252, 255, 251

182, 207, 251

251, 255, 251

157, 192, 251

132, 176, 251

107, 160, 251

81, 144, 251

56, 128, 251

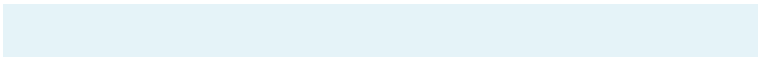
31, 112, 251

6, 96, 251

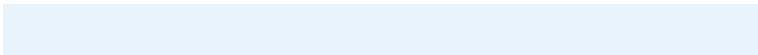
# Harmonies

## Analogous

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



229, 237, 248



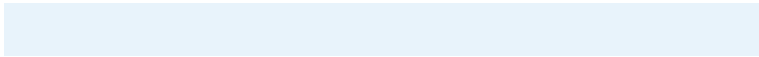
232, 239, 251



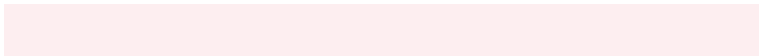
238, 240, 252

# Triad

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



232, 239, 251



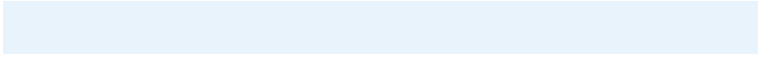
253, 238, 240



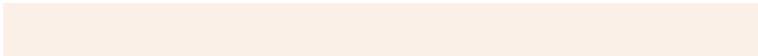
233, 243, 237

# Complementary

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



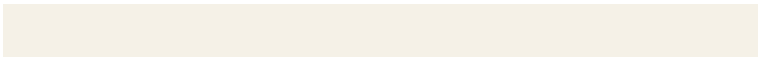
232, 239, 251



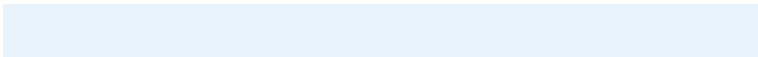
251, 246, 232

# Split Complementary

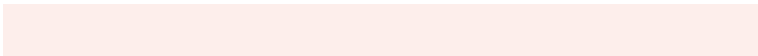
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



237, 245, 231



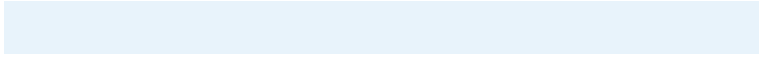
232, 239, 251



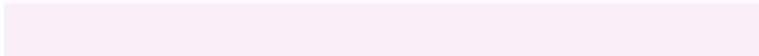
253, 239, 235

# Square

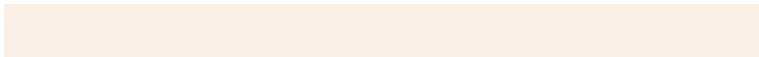
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



232, 239, 251



250, 238, 246



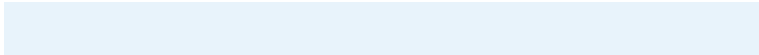
250, 246, 232



233, 241, 244

# Rectangle

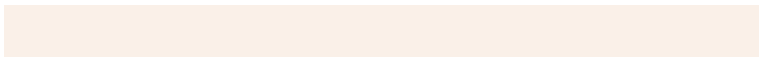
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



232, 239, 251



242, 240, 251



250, 246, 232

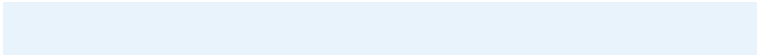


232, 243, 234



# Sweetspot

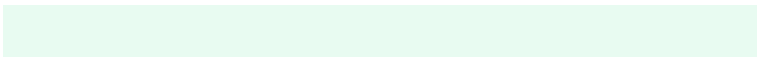
The Sweet Spot groups the original color and five complimentary colors.



232, 239, 251



250, 252, 255



232, 245, 251



125, 126, 128



0, 0, 0

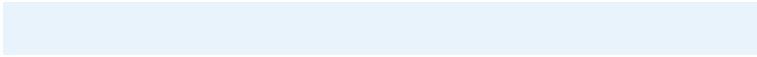


128, 128, 128

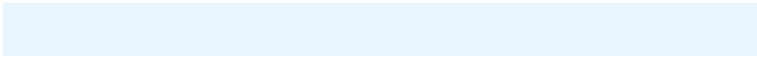


# Same Dimension

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



232, 239, 251



232, 240, 255



232, 234, 251



112, 117, 125



0, 70, 189



0, 23, 61

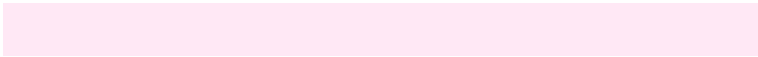


# Inverse Universe

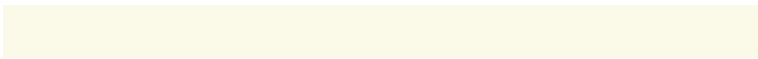
The Inverse Universe completely reimagines the original color for something new.



251, 232, 243



255, 232, 245



234, 251, 232



125, 112, 120



189, 0, 110

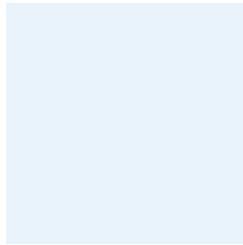


61, 0, 36



# Previews

## White Background



This preview shows how the RYB color 232, 239, 251 looks on a white background.

## Color Contrast Check

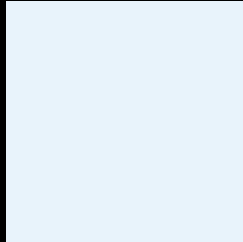
Large Text (above 18pt) WCAG AA × Fail

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 232, 239, 251 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

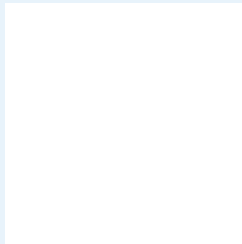
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 232, 239, 251 Background



This preview shows how black text looks on a background with the RYP color 232, 239, 251.

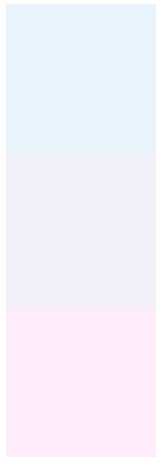


This preview shows how white text looks on a background with the RYP color 232, 239, 251.

# 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**  
232, 239, 251

**Protanopia**  
243, 240, 249

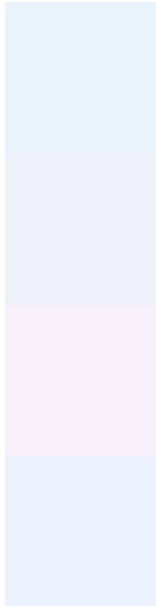
**Deuteranopia**  
255, 236, 250



# Tritanopia

236, 240, 255

# Trichromacy



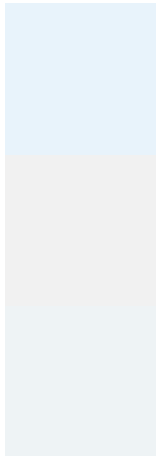
**Original Color**  
232, 239, 251

**Protanomaly**  
239, 241, 250

**Deuteranomaly**  
247, 239, 250

**Tritanomaly**  
235, 240, 254

# Monochromacy



**Original Color**  
232, 239, 251

**Achromatopsia**  
241, 241, 241

**Achromatomaly**  
238, 241, 245

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 232, 239, 251 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(232, 243, 251) looks like.

```
.text, #text, p{  
    color:rgb(232, 243, 251)  
}
```

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(232, 243, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 243, 251) }
```

## Border

The CSS property to change the border of an element to RYB 232, 239, 251 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(232, 243, 251) }
```

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

```
.border{ border-color:rgb(232, 243, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 243, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 243, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 243, 251); box-shadow:4px 4px 4px 4px rgb(232, 243, 251) }
```

# Background

The CSS property to change the background color of an element to RGB 232, 239, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 243, 251) }
```

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

```
.background{ background-color: rgb(232,  
243, 251) }
```

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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