

# Converting Colors

`RYB(247, 249, 251)`

Have a look what the booklet for RYB(247, 249, 251) contains.

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# **Color**

**R<sub>Y</sub>B(247, 249, 251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FBFB
RGB	247, 251, 251
RGB Percent	97%, 98%, 98%
CMY	0.0314, 0.0157, 0.0157
CMYK	0.02, 0.00, 0.00, 0.02
HSL	180°, 33%, 98%
HSV	180°, 2%, 98%
XYZ	90.2675, 95.7336, 104.9876
YIQ	249.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

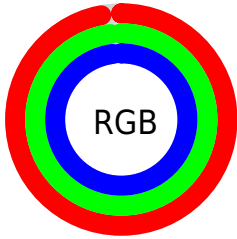
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 249, 251
Decimal	16251899
CIE Lab	98.33, -1.31, -0.47
CIE LCh	98, 1.393, 199.786
Yxy	95.7336, 0.3102, 0.3290
Android (android.graphics.Color)	4294441979 (0xFF7FBFBF)
YUV	249.8040, 0.5896, -2.4591
Hunter-Lab	97.8435, -6.5474, 4.8714

# Details

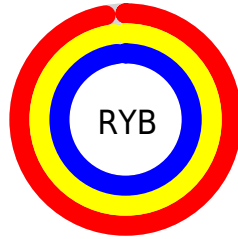
The RYB color 247, 249, 251 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 251, 247, 247, and the grayscale version is 250, 250, 250.

A 20% lighter version of the original color is 255, 255, 255, and 191, 193, 195 is the 20% darker color. If you saturate the color by 10%, you get 222, 237, 251, and if you desaturate by 10%, it is 255, 251, 251.

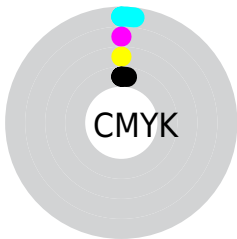
# Distribution



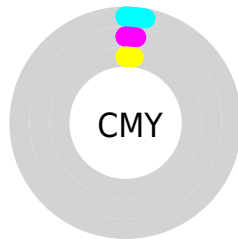
- Red (97%)
- Green (98%)
- Blue (98%)



- Red (97%)
- Yellow (98%)
- Blue (98%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 247, 249, 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 247, 249, 251 by changing the saturation by 10% instead.





 247, 249, 251


 247, 249, 251

255, 255, 255

 219, 221, 222

 191, 193, 195

 164, 166, 167

 137, 139, 141

 112, 114, 115

 88, 90, 91

 64, 66, 67

 42, 44, 45

 22, 24, 25

247, 249, 251

247, 249, 251

222, 237, 251

255, 251, 251

197, 224, 251

172, 212, 251

147, 199, 251

122, 187, 251

96, 174, 251

71, 161, 251

46, 149, 251

21, 136, 251

# Harmonies

## Analogous

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



248, 250, 251



247, 249, 251



247, 249, 252

# Triad

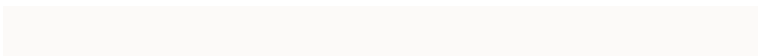
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



247, 249, 251



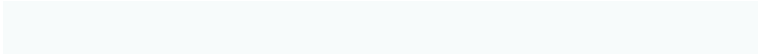
252, 250, 252



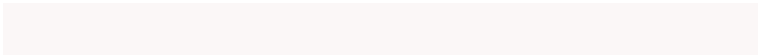
252, 252, 248

# Complementary

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



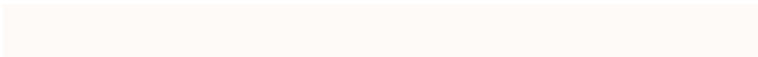
247, 249, 251



251, 247, 247

# Split Complementary

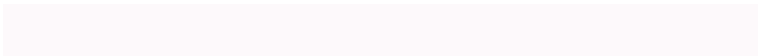
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



253, 251, 248



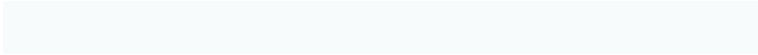
247, 249, 251



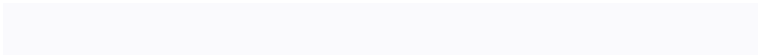
253, 249, 251

# Square

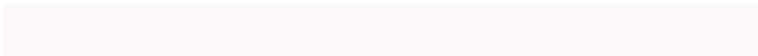
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



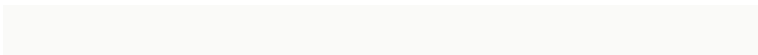
247, 249, 251



250, 250, 253



253, 249, 249



248, 250, 248

# Rectangle

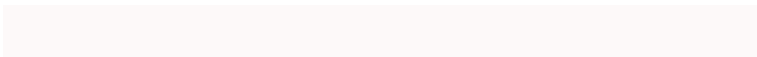
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



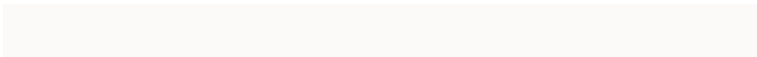
247, 249, 251



248, 250, 253



253, 249, 249

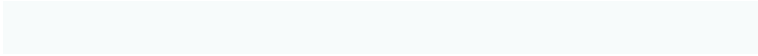


252, 252, 248



# Sweetspot

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



247, 249, 251

255, 255, 255



247, 251, 251



128, 128, 128



0, 0, 0

# Same Dimension

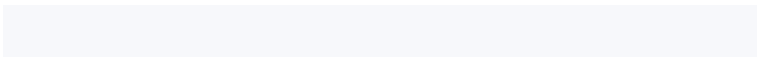
The Same Dimension uses a secret algorithm to generate beautiful new colors.



247, 249, 251



250, 253, 255



247, 248, 251



122, 124, 125



0, 95, 189



0, 31, 61



# Inverse Universe

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



251, 247, 251



255, 250, 255



251, 251, 247



125, 122, 125



189, 0, 189

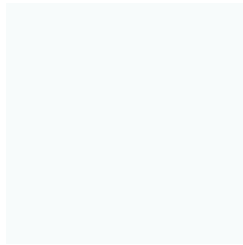


61, 0, 61



# Previews

## White Background



This preview shows how the RYB color 247, 249, 251 looks on a white background.

## Color Contrast Check

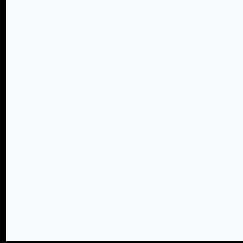
Large Text (above 18pt) WCAG AA × Fail

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 247, 249, 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](#).

## **RYB 247, 249, 251 Background**



This preview shows how black text looks on a background with the RYB color 247, 249, 251.



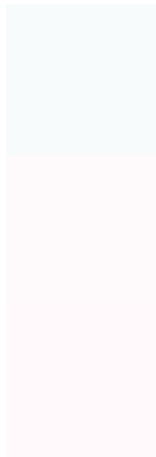
This preview shows how white text looks on a background with the RYB color 247, 249, 251.



# 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**  
247, 249, 251

**Protanopia**  
254, 249, 250

**Deuteranopia**  
255, 249, 251



**Tritanopia**  
250, 250, 255

# Trichromacy

## Original Color

247, 249, 251

## Protanomaly

251, 250, 250

## Deuteranomaly

252, 250, 251

## Tritanomaly

249, 250, 254

# Monochromacy

## Original Color

247, 249, 251

## Achromatopsia

250, 250, 250

## Achromatomaly

249, 250, 250

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 247, 249, 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(247, 251, 251) looks like.

```
.text, #text, p{  
    color:rgb(247, 251, 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(247, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 251, 251) }
```

## Border

The CSS property to change the border of an element to RYB 247, 249, 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(247, 251, 251) }
```

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

```
.border{ border-color:rgb(247, 251, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 251, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(247, 251,  
251) }
```

# Background

The CSS property to change the background color of an element to RYB 247, 249, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 251, 251) }
```

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

```
.background{ background-color: rgb(247,  
251, 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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