

# Converting Colors

`RYB(242, 245, 250)`

Have a look what the booklet for RYB(242, 245, 250) contains.

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# **Color**

**R<sub>Y</sub>B(242, 245, 250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F7FA
RGB	242, 247, 250
RGB Percent	95%, 97%, 98%
CMY	0.0510, 0.0322, 0.0196
CMYK	0.03, 0.01, 0.00, 0.02
HSL	204°, 44%, 96%
HSV	204°, 3%, 98%
XYZ	87.0729, 92.1786, 103.6455
YIQ	245.8470, -3.9430, -0.1270

# Conversions

## Conversions Part 2

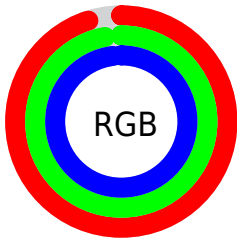
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 245, 250
Decimal	15923194
CIE Lab	96.89, -1.00, -2.10
CIE LCh	97, 2.324, 244.457
Yxy	92.1786, 0.3078, 0.3258
Android (android.graphics.Color)	4294113274 (0xFFFF2F7FA)
YUV	245.8470, 2.0474, -3.3738
Hunter-Lab	96.0097, -6.1322, 3.2014

# Details

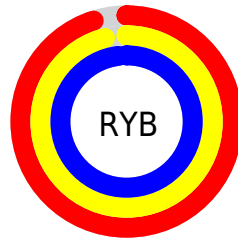
The RYB color `242, 245, 250` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `250, 247, 242`, and the grayscale version is `246, 246, 246`.

A 20% lighter version of the original color is `255, 255, 255`, and `186, 189, 194` is the 20% darker color. If you saturate the color by 10%, you get `217, 229, 250`, and if you desaturate by 10%, it is `250, 255, 250`.

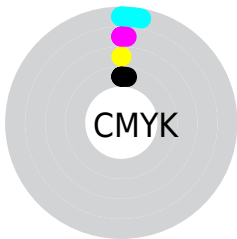
# Distribution



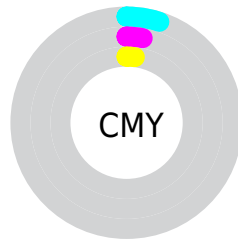
- Red (95%)
- Green (97%)
- Blue (98%)



- Red (95%)
- Yellow (96%)
- Blue (98%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (5%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 242, 245, 250 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 242, 245, 250 by changing the saturation by 10% instead.



 242, 245, 250

255, 255, 255

 242, 245, 250

 214, 217, 221

 186, 189, 194

 159, 162, 166

 133, 136, 140

 108, 111, 115

 83, 86, 90

 60, 63, 67

 39, 41, 45

 18, 20, 24


 242, 245, 250


 242, 245, 250


 217, 229, 250


 250, 255, 250


 192, 214, 250


 167, 198, 250


 142, 183, 250

 117, 167, 250

 92, 151, 250

 67, 136, 250

 42, 120, 250

 17, 104, 250

# Harmonies

## Analogous

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



241, 244, 248



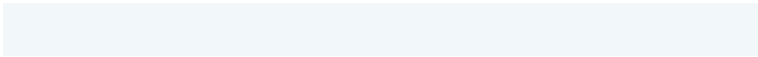
242, 245, 250



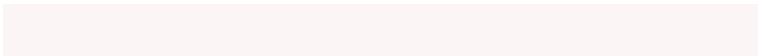
244, 246, 250

# Triad

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



242, 245, 250



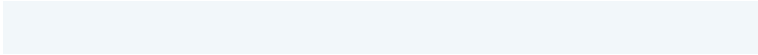
251, 245, 246



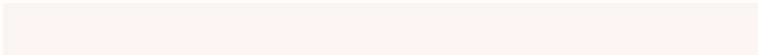
242, 247, 244

# Complementary

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



242, 245, 250



250, 247, 242

# Split Complementary

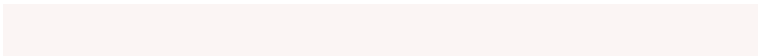
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



245, 248, 242



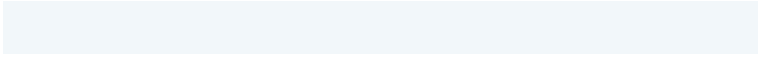
242, 245, 250



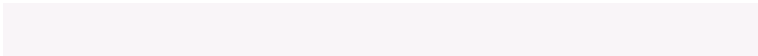
251, 245, 244

# Square

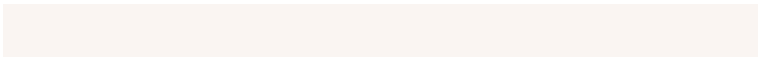
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



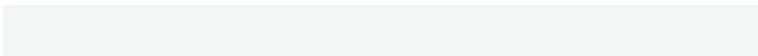
242, 245, 250



249, 245, 248



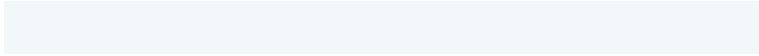
250, 247, 242



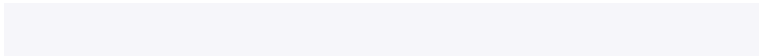
243, 246, 247

# Rectangle

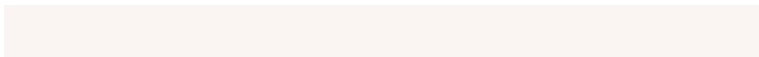
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



242, 245, 250



246, 246, 250



250, 247, 242



242, 246, 242



# Sweetspot

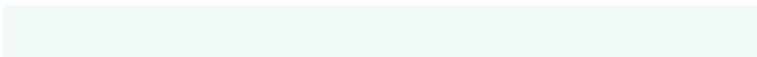
The Sweet Spot groups the original color and five complimentary colors.



242, 245, 250



252, 253, 255



242, 248, 250



126, 127, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



242, 245, 250



245, 249, 255



242, 243, 250



119, 121, 125



0, 71, 189



0, 23, 61



# Inverse Universe

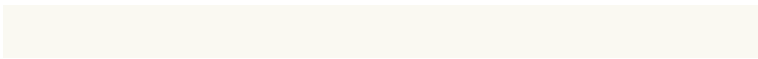
The Inverse Universe completely reimagines the original color for something new.



250, 242, 247



255, 245, 251



243, 250, 242



125, 119, 122



189, 0, 113

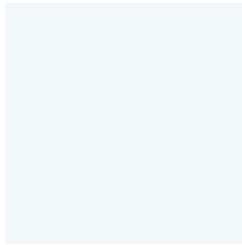


61, 0, 37



# Previews

## White Background



This preview shows how the RYB color 242, 245, 250 looks on a white background.

## Color Contrast Check

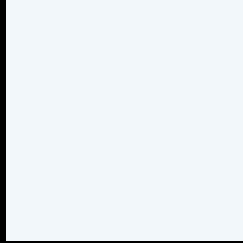
Large Text (above 18pt) WCAG AA × Fail

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 242, 245, 250 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

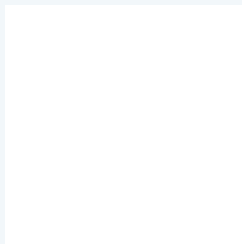
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 242, 245, 250 Background**



This preview shows how black text looks on a background with the RYB color 242, 245, 250.

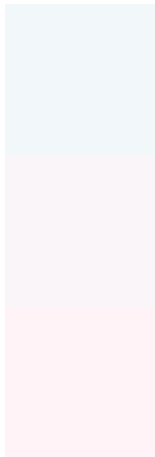


This preview shows how white text looks on a background with the RYB color 242, 245, 250.

# 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**  
242, 245, 250

**Protanopia**  
249, 245, 249

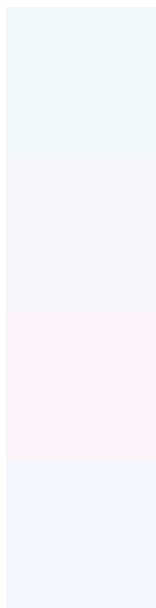
**Deuteranopia**  
255, 243, 248



# Tritanopia

245, 245, 255

# Trichromacy



## Original Color

242, 245, 250

## Protanomaly

246, 246, 249

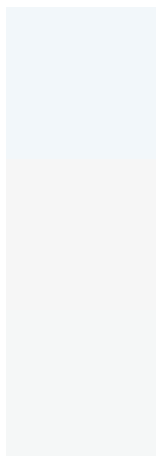
## Deuteranomaly

250, 244, 249

## Tritanomaly

244, 246, 253

# Monochromacy



## Original Color

242, 245, 250

## Achromatopsia

246, 246, 246

## Achromatomaly

245, 246, 247

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 242, 245, 250 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(242, 247, 250) looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 250)  
}
```

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(242, 247, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 250) }
```

## Border

The CSS property to change the border of an element to RYB 242, 245, 250 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(242, 247, 250) }
```

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

```
.border{ border-color:rgb(242, 247, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 247, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 250);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
250) }
```

# Background

The CSS property to change the background color of an element to RYB 242, 245, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 250) }
```

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

```
.background{ background-color: rgb(242,  
247, 250) }
```

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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