

# Converting Colors

`RYB(246, 247, 255)`

Have a look what the booklet for RYB(246, 247, 255) contains.

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# **Color**

**RYB(246, 247, 255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F7FF
RGB	246, 247, 255
RGB Percent	96%, 97%, 100%
CMY	0.0353, 0.0309, 0.0000
CMYK	0.04, 0.03, 0.00, 0.00
HSL	233°, 100%, 98%
HSV	233°, 4%, 100%
XYZ	89.3550, 93.4108, 107.9283
YIQ	247.6130, -3.1640, 2.2760

# Conversions

## Conversions Part 2

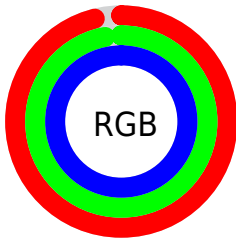
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 247, 255
Decimal	16185343
CIE <sub>Lab</sub>	97.39, 1.05, -3.91
CIE <sub>LCh</sub>	97, 4.044, 284.979
Yxy	93.4108, 0.3074, 0.3213
Android (android.graphics.Color)	4294375423 (0xFFFF6F7FF)
YUV	247.6130, 3.6418, -1.4146
Hunter-Lab	96.6493, -4.1079, 1.4453

# Details

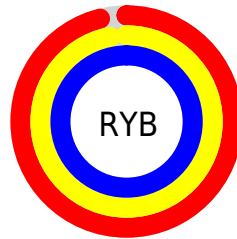
The RYB color 246, 247, 255 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 247, 255, 246, and the grayscale version is 248, 248, 248.

A 20% lighter version of the original color is 255, 255, 255, and 190, 191, 198 is the 20% darker color. If you saturate the color by 10%, you get 221, 225, 255, and if you desaturate by 10%, it is 255, 255, 255.

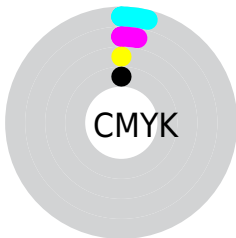
# Distribution



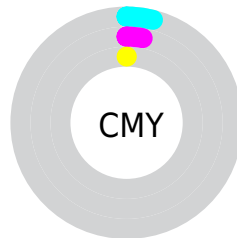
- Red (96%)
- Green (97%)
- Blue (100%)



- Red (96%)
- Yellow (97%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 246, 247, 255 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 246, 247, 255 by changing the saturation by 10% instead.




 246, 247, 255

255, 255, 255


 246, 247, 255

 218, 219, 226

 190, 191, 198


 163, 164, 171


 136, 137, 145

 111, 112, 119

 87, 88, 94

 63, 64, 71

 41, 42, 48

 21, 22, 27

246, 247, 255

246, 247, 255

221, 225, 255

255, 255, 255

195, 202, 255

170, 179, 255

144, 156, 255

119, 134, 255

93, 111, 255

67, 88, 255

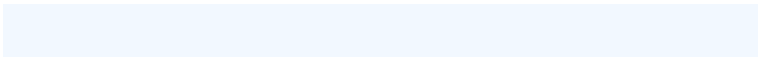
42, 66, 255

16, 43, 255

# Harmonies

## Analogous

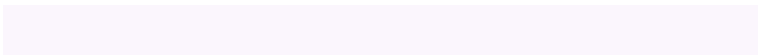
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



242, 246, 255



246, 247, 255



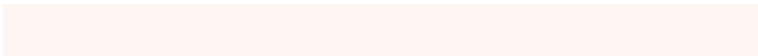
251, 246, 253

# Triad

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



246, 247, 255



255, 246, 242



240, 247, 250

# Complementary

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



246, 247, 255



247, 255, 246

# 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.



242, 249, 247



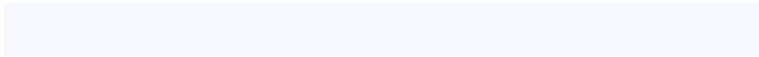
246, 247, 255



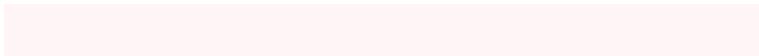
251, 253, 240

# Square

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



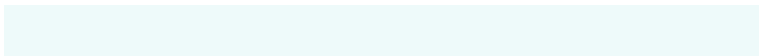
246, 247, 255



255, 245, 246



241, 249, 240



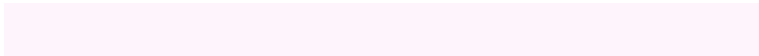
238, 244, 250

# Rectangle

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



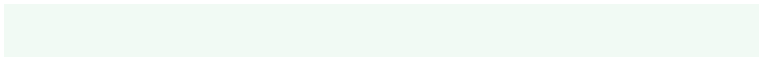
246, 247, 255



253, 245, 251



241, 249, 240



241, 248, 250



# Sweetspot

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



246, 247, 255



252, 253, 255



246, 251, 255



126, 126, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



246, 247, 255



245, 246, 255



249, 246, 255



121, 122, 128



0, 21, 191



0, 7, 64

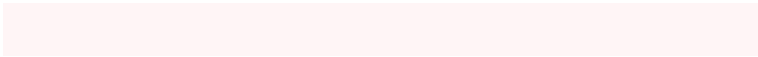


# Inverse Universe

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



255, 246, 247



255, 245, 246



246, 255, 249



128, 121, 122



191, 0, 24

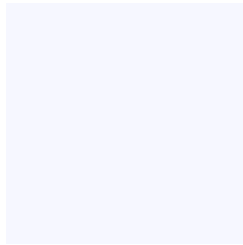


64, 0, 8



# Previews

## White Background



This preview shows how the RYB color 246, 247, 255 looks on a white background.

## Color Contrast Check

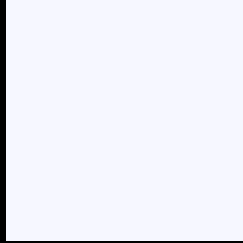
Large Text (above 18pt) WCAG AA × Fail

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 246, 247, 255 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

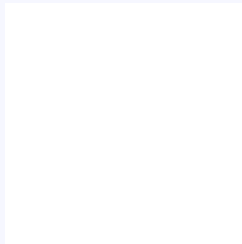
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 246, 247, 255 Background



This preview shows how black text looks on a background with the RYB color 246, 247, 255.

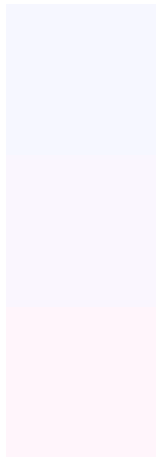


This preview shows how white text looks on a background with the RYB color 246, 247, 255.

# 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**  
246, 247, 255

**Protanopia**  
250, 246, 254

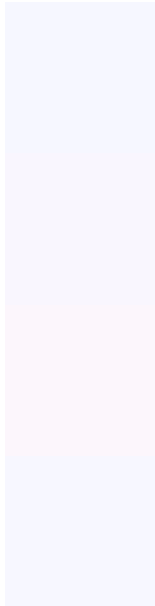
**Deuteranopia**  
255, 245, 251



# Tritanopia

248, 247, 255

# Trichromacy



## Original Color

246, 247, 255

## Protanomaly

249, 246, 254

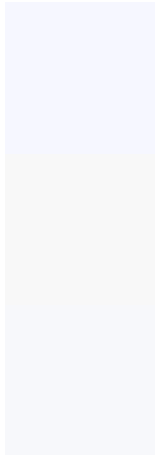
## Deuteranomaly

252, 246, 252

## Tritanomaly

247, 247, 255

# Monochromacy



## Original Color

246, 247, 255

## Achromatopsia

248, 248, 248

## Achromatomaly

247, 248, 251

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 246, 247, 255 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(246, 247, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 255)  
}
```

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(246, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 255) }
```

## Border

The CSS property to change the border of an element to RYB 246, 247, 255 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(246, 247, 255) }
```

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

```
.border{ border-color:rgb(246, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to RYB 246, 247, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 255) }
```

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

```
.background{ background-color: rgb(246,  
247, 255) }
```

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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