

# Converting Colors

`RYB(234, 242, 255)`

Have a look what the booklet for  
RYB(234, 242, 255) contains.

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# Color

**R<sub>Y</sub>B(234, 242, 255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF7FF
RGB	234, 247, 255
RGB Percent	92%, 97%, 100%
CMY	0.0824, 0.0317, 0.0000
CMYK	0.08, 0.03, 0.00, 0.00
HSL	203°, 100%, 96%
HSV	203°, 8%, 100%
XYZ	85.2189, 91.1869, 107.7171
YIQ	244.0250, -10.3160, -0.2680

# Conversions

## Conversions Part 2

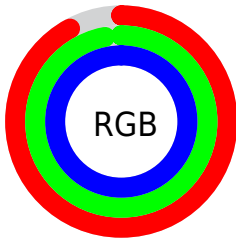
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 242, 255
Decimal	15398911
CIE Lab	96.49, -2.72, -5.34
CIE LCh	96, 5.994, 242.993
Yxy	91.1869, 0.2999, 0.3209
Android (android.graphics.Color)	4293588991 (0xFFEAF7FF)
YUV	244.0250, 5.4107, -8.7919
Hunter-Lab	95.4918, -7.8136, -0.0362

# Details

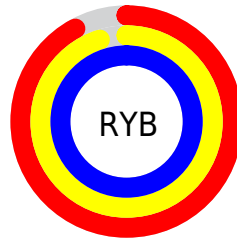
The RYB color **234, 242, 255** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **255, 247, 234**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **178, 186, 198** is the 20% darker color. If you saturate the color by 10%, you get **209, 226, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

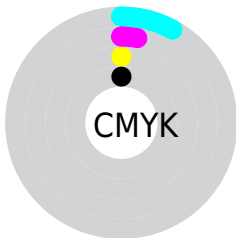
# Distribution



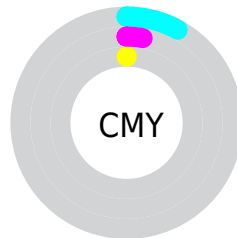
- Red (92%)
- Green (97%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 234, 242, 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 234, 242, 255 by changing the saturation by 10% instead.



234, 242, 255

255, 255, 255

234, 242, 255

206, 214, 226

178, 186, 198

151, 159, 171

125, 133, 145

100, 107, 119

76, 83, 94

53, 60, 71

32, 38, 48

10, 17, 27

234, 242, 255

234, 242, 255

209, 226, 255

255, 255, 255

183, 210, 255

157, 195, 255

132, 179, 255

106, 163, 255

81, 147, 255

56, 132, 255

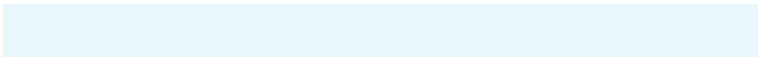
30, 116, 255

5, 100, 255

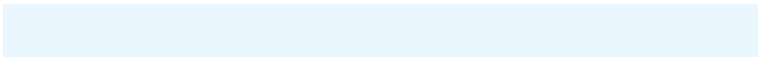
# Harmonies

## Analogous

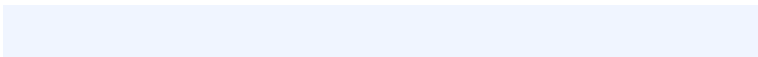
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 240, 251



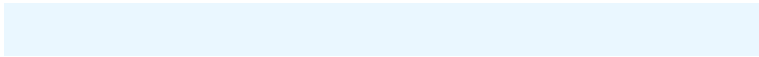
234, 242, 255



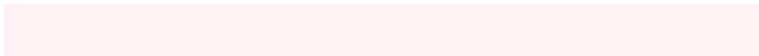
240, 244, 255

# Triad

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



234, 242, 255



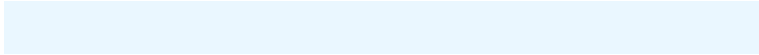
255, 241, 244



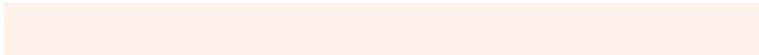
235, 246, 238

# Complementary

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



234, 242, 255



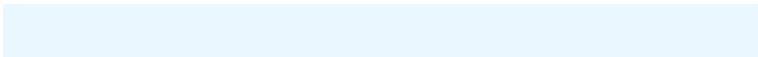
255, 247, 234

# Split Complementary

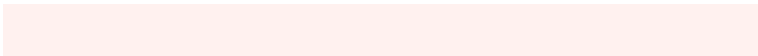
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



238, 249, 233



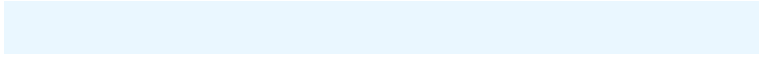
234, 242, 255



255, 241, 239

# Square

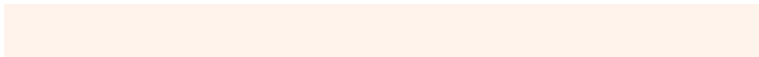
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



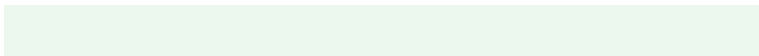
234, 242, 255



253, 242, 250



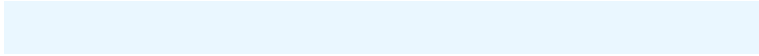
255, 248, 235



236, 246, 248

# Rectangle

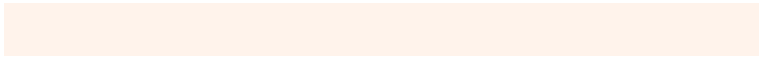
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



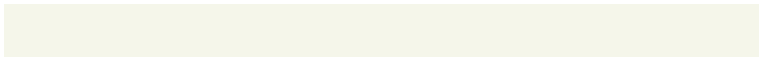
234, 242, 255



245, 244, 255



255, 248, 235

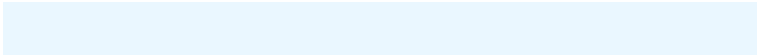


234, 246, 235



# Sweetspot

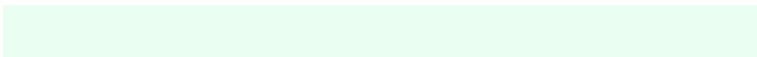
The Sweet Spot groups the original color and five complimentary colors.



234, 242, 255



250, 252, 255



234, 249, 255



125, 126, 128



0, 0, 0

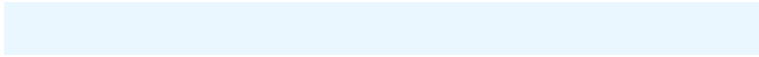


128, 128, 128

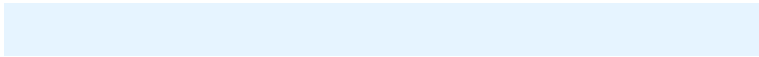


# Same Dimension

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



234, 242, 255



230, 239, 255



234, 236, 255



115, 120, 128



0, 73, 191



0, 24, 64



# Inverse Universe

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



255, 234, 247



255, 230, 245



236, 255, 234



128, 115, 123



191, 0, 118

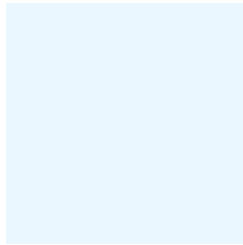


64, 0, 39



# Previews

## White Background



This preview shows how the RYB color 234, 242, 255 looks on a white background.

## Color Contrast Check

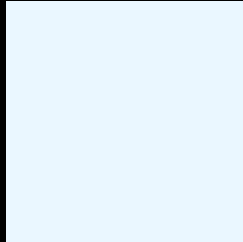
Large Text (above 18pt) WCAG AA × Fail

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 234, 242, 255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

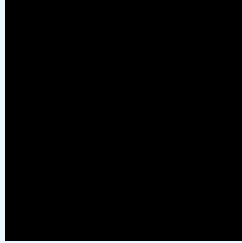
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

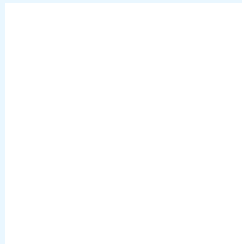
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 234, 242, 255 Background**



This preview shows how black text looks on a background with the RYB color 234, 242, 255.

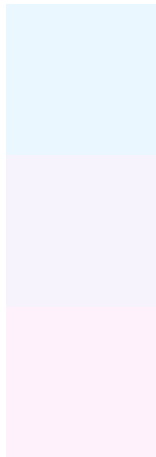


This preview shows how white text looks on a background with the RYB color 234, 242, 255.

# 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**  
234, 242, 255

**Protanopia**  
247, 243, 253

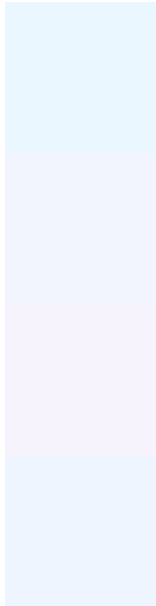
**Deuteranopia**  
255, 241, 252



# Tritanopia

240, 244, 255

# Trichromacy



## Original Color

234, 242, 255

## Protanomaly

242, 244, 254

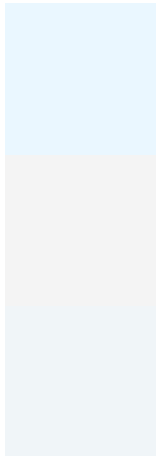
## Deuteranomaly

247, 243, 253

## Tritanomaly

238, 243, 255

# Monochromacy



## Original Color

234, 242, 255

## Achromatopsia

244, 244, 244

## Achromatomaly

240, 243, 248

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 234, 242, 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(234, 247, 255) looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 255) }
```

## Border

The CSS property to change the border of an element to RYB 234, 242, 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(234, 247, 255) }
```

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

```
.border{ border-color:rgb(234, 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(234, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to RYB 234, 242, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 255) }
```

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

```
.background{ background-color: rgb(234,  
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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