

Converting Colors

`RYB(233, 242, 255)`

Have a look what the booklet for
RYB(233, 242, 255) contains.

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Color

R_YB(233, 242, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E9F8FF
RGB	233, 248, 255
RGB Percent	91%, 97%, 100%
CMY	0.0863, 0.0265, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	198°, 100%, 96%
HSV	198°, 9%, 100%
XYZ	85.2927, 91.8204, 107.8355
YIQ	244.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

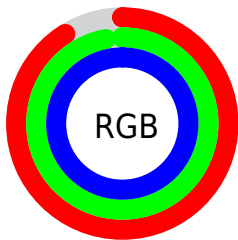
Format	Color
R _Y B	233, 242, 255
Decimal	15333631
CIE _{Lab}	96.75, -3.70, -4.97
CIE _{LCh}	97, 6.194, 233.285
Y _{xy}	91.8204, 0.2993, 0.3222
Android (android.graphics.Color)	4293523711 (0xFFE9F8FF)
Y _{UV}	244.3130, 5.2687, -9.9215
Hunter-Lab	95.8230, -8.8062, 0.3534

Details

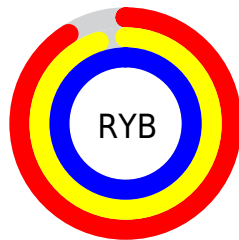
The RYB color **233, 242, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 243, 233**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **177, 186, 198** is the 20% darker color. If you saturate the color by 10%, you get **208, 227, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

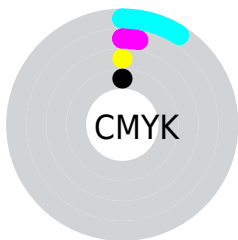
Distribution



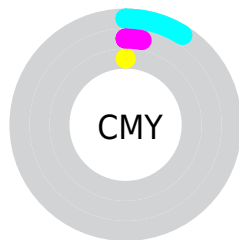
- Red (91%)
- Green (97%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 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 233, 242, 255 by changing the saturation by 10% instead.

233, 242, 255

255, 255, 255

233, 242, 255

205, 214, 226

177, 186, 198

150, 159, 171

125, 133, 145

100, 108, 119

75, 83, 94

53, 60, 71

31, 38, 48

9, 17, 27

233, 242, 255

233, 242, 255

208, 227, 255

255, 255, 255

182, 212, 255

156, 197, 255

131, 182, 255

106, 167, 255

80, 152, 255

55, 137, 255

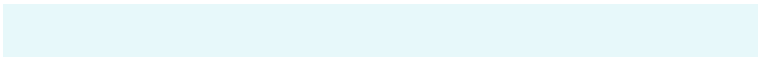
29, 121, 255

4, 107, 255

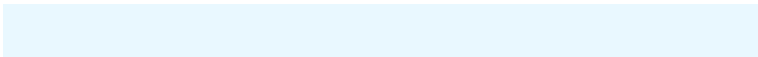
Harmonies

Analogous

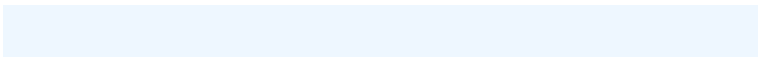
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 240, 250



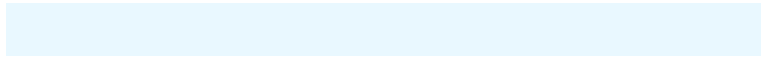
233, 242, 255



238, 244, 255

Triad

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



233, 242, 255



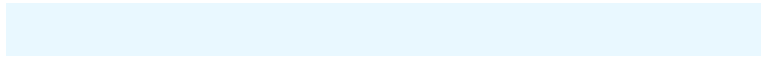
255, 242, 247



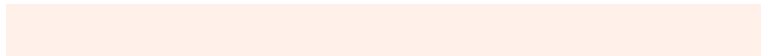
235, 247, 236

Complementary

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



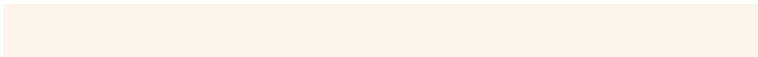
233, 242, 255



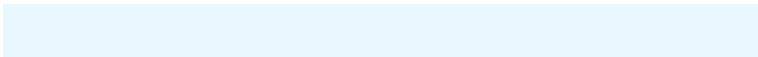
255, 243, 233

Split Complementary

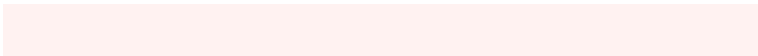
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



245, 252, 234



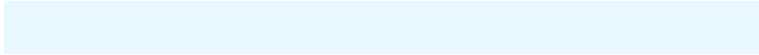
233, 242, 255



255, 242, 241

Square

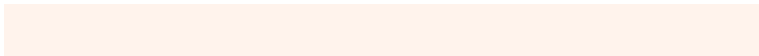
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



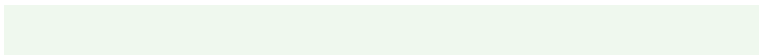
233, 242, 255



252, 243, 253



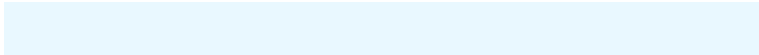
255, 247, 236



238, 248, 247

Rectangle

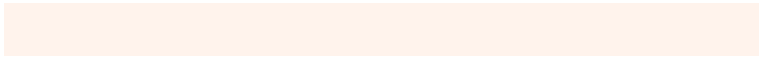
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



233, 242, 255



243, 245, 255



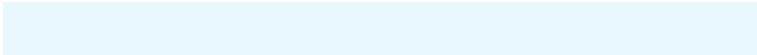
255, 247, 236



236, 248, 234

Sweetspot

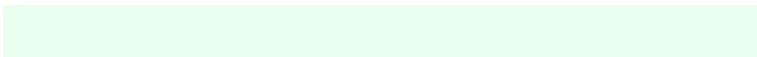
The Sweet Spot groups the original color and five complimentary colors.



233, 242, 255



247, 250, 255



233, 250, 255



122, 124, 128



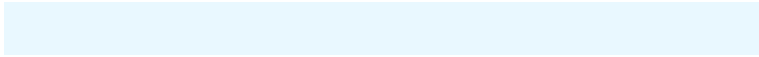
0, 0, 0



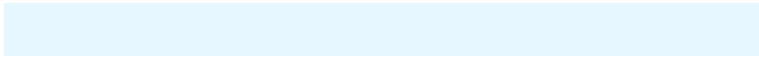
128, 128, 128

Same Dimension

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



233, 242, 255



230, 240, 255



233, 236, 255



115, 120, 128



0, 78, 191



0, 26, 64

Inverse Universe

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



255, 233, 248



255, 230, 247



238, 255, 233



128, 115, 124



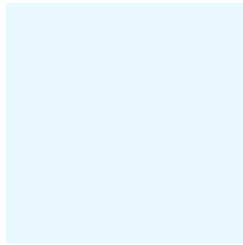
191, 0, 132



64, 0, 44

Previews

White Background



This preview shows how the RYB color 233, 242, 255 looks on a white background.

Color Contrast Check

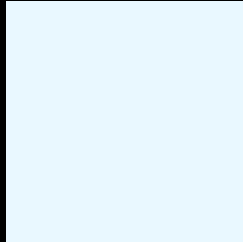
Large Text (above 18pt) WCAG AA × Fail

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 233, 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

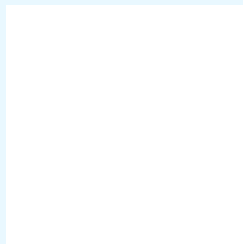
Any Text WCAG AAA ✓ Pass

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

RYB 233, 242, 255 Background



This preview shows how black text looks on a background with the RYB color 233, 242, 255.

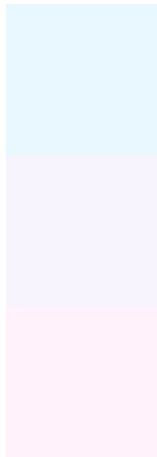


This preview shows how white text looks on a background with the RYB color 233, 242, 255.

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
233, 242, 255

Protanopia
248, 244, 253

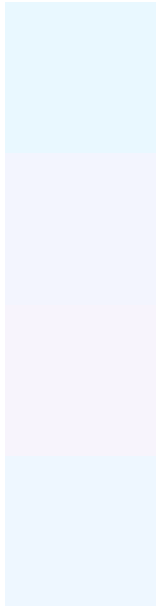
Deuteranopia
255, 242, 251



Tritanopia

241, 245, 255

Trichromacy



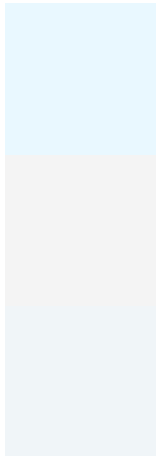
Original Color
233, 242, 255

Protanomaly
243, 245, 254

Deuteranomaly
247, 244, 252

Tritanomaly
238, 244, 255

Monochromacy



Original Color
233, 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 233, 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(233, 248, 255) looks like.

```
.text, #text, p{  
    color:rgb(233, 248, 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(233, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 248, 255) }
```

Border

The CSS property to change the border of an element to RYB 233, 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(233, 248, 255) }
```

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

```
.border{ border-color:rgb(233, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 248,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 233, 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(233, 248, 255) }
```

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

```
.background{ background-color: rgb(233,  
248, 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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