

Converting Colors

RGB(231, 238, 248)

Have a look what the booklet for
RGB(231, 238, 248) contains.

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Color

RGB(231, 238, 248)

Conversions

Conversions Part 1

Format	Color
Hex	E7EEF8
RGB	231, 238, 248
RGB Percent	91%, 93%, 97%
CMY	0.0941, 0.0667, 0.0275
CMYK	0.07, 0.04, 0.00, 0.03
HSL	215°, 55%, 94%
HSV	215°, 7%, 97%
XYZ	80.4728, 84.9153, 100.9559
YIQ	237.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

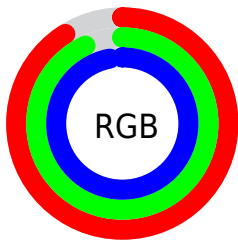
Format	Color
R _Y B	231, 236, 248
Decimal	15199992
CIE Lab	93.85, -0.46, -5.63
CIE LCh	94, 5.652, 265.299
Yxy	84.9153, 0.3021, 0.3188
Android (android.graphics.Color)	4293390072 (0xFFE7EEF8)
YUV	237.0470, 5.3998, -5.3032
Hunter-Lab	92.1495, -5.3802, -0.4515

Details

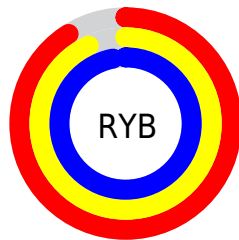
The RGB color **231, 238, 248** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **248, 241, 231**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 182, 192** is the 20% darker color. If you saturate the color by 10%, you get **206, 223, 248**, and if you desaturate by 10%, it is 255, 253, 248.

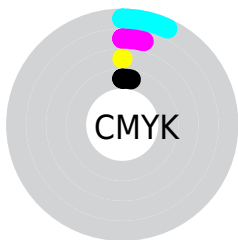
Distribution



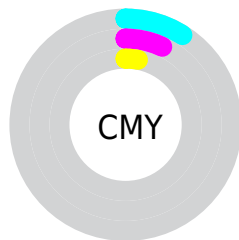
- Red (91%)
- Green (93%)
- Blue (97%)



- Red (91%)
- Yellow (93%)
- Blue (97%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RGB color 231, 238, 248 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 RGB color 231, 238, 248 by changing the saturation by 10% instead.

■ 231, 238, 248

255, 255, 255

■ 231, 238, 248

■ 203, 210, 219

■ 175, 182, 192

■ 149, 155, 165

■ 123, 129, 138

■ 98, 104, 113

■ 74, 80, 88

■ 51, 57, 65

■ 30, 36, 43

■ 6, 14, 23

 231, 238, 248

 231, 238, 248


 206, 223, 248


 255, 253, 248


 181, 209, 248


 255, 255, 248


 157, 194, 248

 132, 180, 248

 107, 165, 248

 82, 150, 248

 57, 136, 248

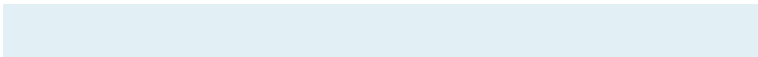
 33, 121, 248

 8, 107, 248

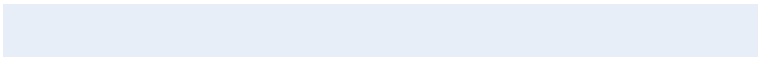
Harmonies

Analogous

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



226, 240, 246



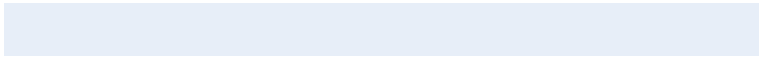
231, 238, 248



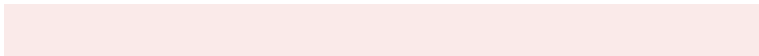
238, 236, 247

Triad

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



231, 238, 248



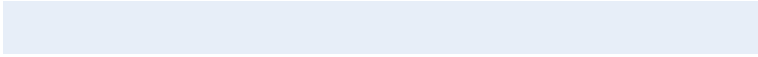
250, 234, 233



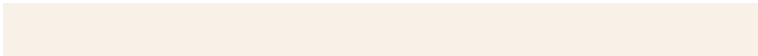
231, 240, 231

Complementary

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



231, 238, 248



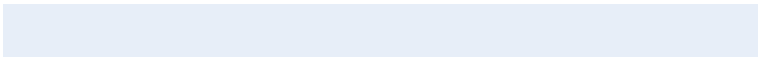
248, 241, 231

Split Complementary

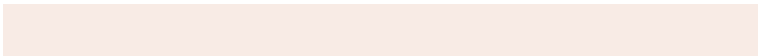
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



237, 238, 227



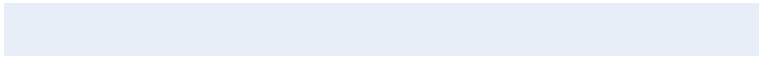
231, 238, 248



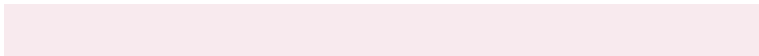
248, 235, 229

Square

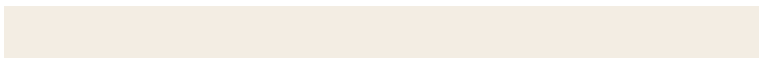
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



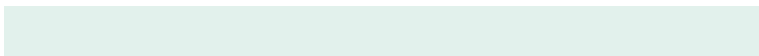
231, 238, 248



248, 234, 238



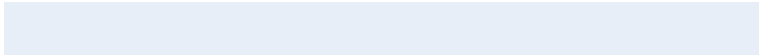
243, 237, 227



226, 241, 236

Rectangle

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



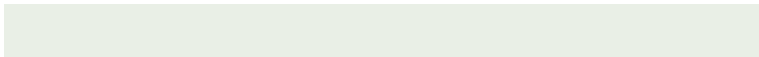
231, 238, 248



242, 235, 245



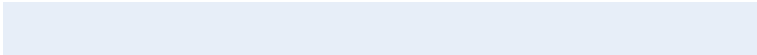
243, 237, 227



233, 239, 230

Sweetspot

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



231, 238, 248



250, 252, 255



231, 248, 241



125, 126, 128



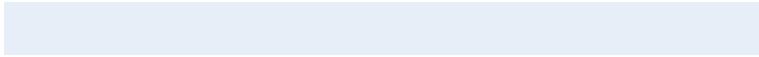
0, 0, 0



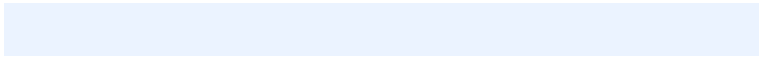
128, 128, 128

Same Dimension

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



231, 238, 248



235, 243, 255



232, 231, 248



112, 118, 125



0, 78, 189



0, 25, 61

Inverse Universe

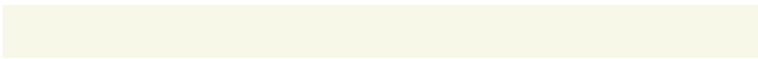
The Inverse Universe completely reimagines the original color for something new.



248, 231, 238



255, 235, 243



247, 248, 231



125, 112, 118



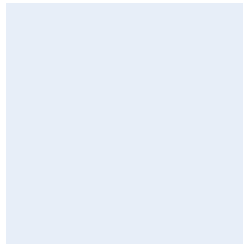
189, 0, 78



61, 0, 25

Previews

White Background



This preview shows how the RGB color 231, 238, 248 looks on a white background.

Color Contrast Check

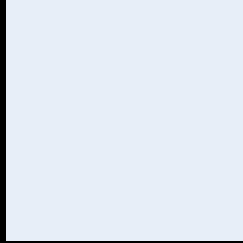
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 231, 238, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

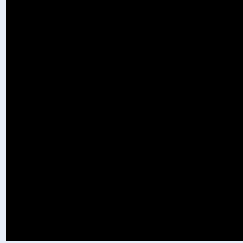
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

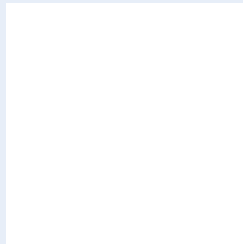
Any Text WCAG AAA ✓ Pass

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

RGB 231, 238, 248 Background



This preview shows how black text looks on a background with the RGB color 231, 238, 248.

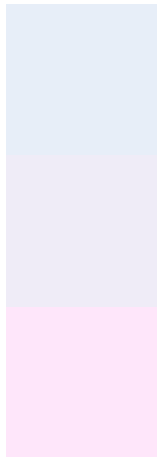


This preview shows how white text looks on a background with the RGB color 231, 238, 248.

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
231, 238, 248

Protanopia
239, 236, 247

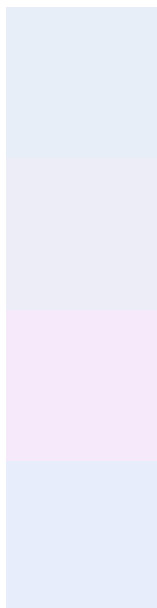
Deuteranopia
254, 230, 250



Tritanopia

232, 237, 255

Trichromacy



Original Color

231, 238, 248

Protanomaly

236, 237, 247

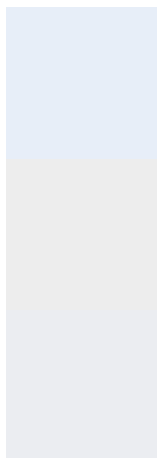
Deuteranomaly

246, 233, 249

Tritanomaly

232, 237, 252

Monochromacy



Original Color

231, 238, 248

Achromatopsia

237, 237, 237

Achromatomaly

235, 237, 241

CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 238, 248 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(231, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(231, 238, 248)  
}
```

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(231, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 238, 248) }
```

Border

The CSS property to change the border of an element to RGB 231, 238, 248 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(231, 238, 248) }
```

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

```
.border{ border-color:rgb(231, 238, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 238, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 238, 248); box-shadow:4px 4px 4px 4px rgb(231, 238, 248) }
```

Background

The CSS property to change the background color of an element to RGB 231, 238, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 238, 248) }
```

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

```
.background{ background-color: rgb(231,  
238, 248) }
```

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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