

# Converting Colors

RGB(228, 242, 246)

Have a look what the booklet for  
RGB(228, 242, 246) contains.

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# **Color**

**RGB(228, 242, 246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F2F6
RGB	228, 242, 246
RGB Percent	89%, 95%, 96%
CMY	0.1059, 0.0510, 0.0353
CMYK	0.07, 0.02, 0.00, 0.04
HSL	193°, 50%, 93%
HSV	193°, 7%, 96%
XYZ	80.3816, 86.6521, 99.6777
YIQ	238.2700, -9.6280, -1.7240

# Conversions

## Conversions Part 2

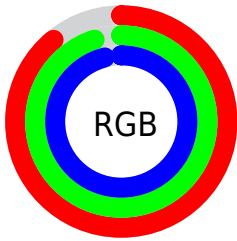
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 236, 246
Decimal	15004406
CIE Lab	94.59, -3.85, -3.52
CIE LCh	95, 5.218, 222.481
Yxy	86.6521, 0.3014, 0.3249
Android (android.graphics.Color)	4293194486 (0xFFE4F2F6)
YUV	238.2700, 3.8109, -9.0068
Hunter-Lab	93.0871, -8.7660, 1.6732

# Details

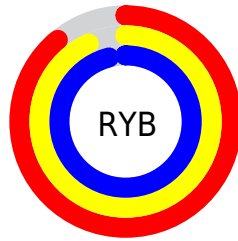
The RGB color **228, 242, 246** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **246, 232, 228**, and the grayscale version is **238, 238, 238**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 186, 190** is the 20% darker color. If you saturate the color by 10%, you get **203, 237, 246**, and if you desaturate by 10%, it is **253, 247, 246**.

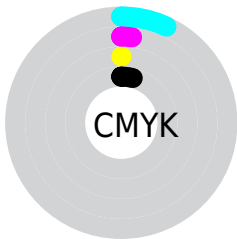
# Distribution



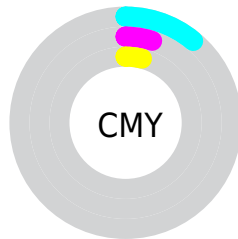
- Red (89%)
- Green (95%)
- Blue (96%)



- Red (89%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 228, 242, 246 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 228, 242, 246 by changing the saturation by 10% instead.



■ 228, 242, 246

255, 255, 255

■ 228, 242, 246

■ 200, 214, 218

■ 173, 186, 190

■ 146, 159, 163

■ 120, 133, 136

■ 95, 108, 111

■ 72, 83, 87

■ 49, 60, 64

■ 28, 39, 42

■ 3, 18, 21

 228, 242, 246

 228, 242, 246

 203, 237, 246

 253, 247, 246

 179, 231, 246

 255, 253, 246

 154, 226, 246


 255, 255, 246

 130, 220, 246

 105, 215, 246

 80, 209, 246

 56, 204, 246

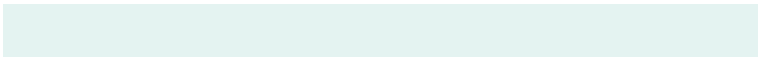
 31, 198, 246

 7, 193, 246

# Harmonies

## Analogous

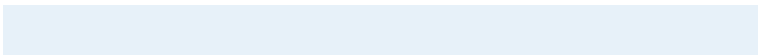
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228, 243, 241



228, 242, 246



231, 241, 249

# Triad

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



228, 242, 246



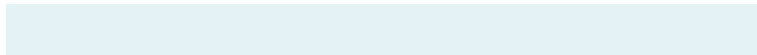
248, 236, 243



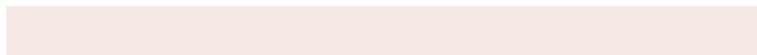
242, 240, 230

# Complementary

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



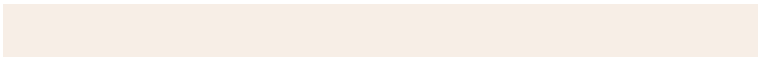
228, 242, 246



246, 232, 228

# Split Complementary

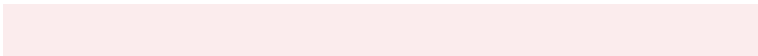
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



247, 238, 230



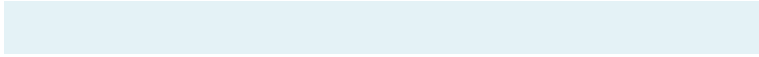
228, 242, 246



251, 236, 237

# Square

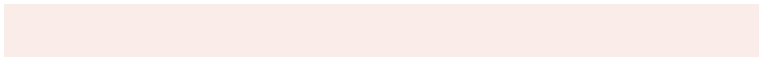
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228, 242, 246



243, 238, 247



250, 237, 233



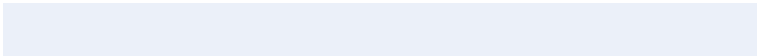
236, 241, 232

# Rectangle

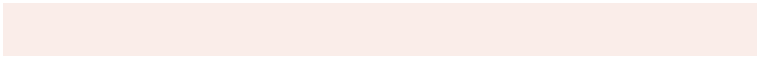
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



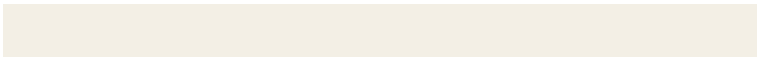
228, 242, 246



235, 240, 249



250, 237, 233



243, 239, 229



# Sweetspot

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



228, 242, 246



250, 254, 255



228, 246, 232



125, 127, 128



0, 0, 0



128, 128, 128

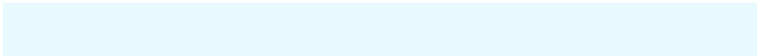


# Same Dimension

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



228, 242, 246



232, 250, 255



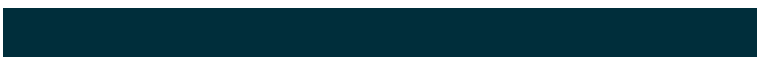
228, 233, 246



110, 120, 122



0, 145, 186



0, 46, 59



# Inverse Universe

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



246, 228, 242



255, 232, 250



246, 241, 228



122, 110, 120



186, 0, 145

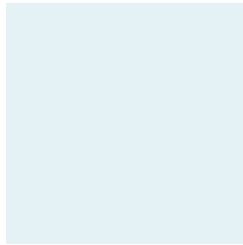


59, 0, 46



# Previews

## White Background



This preview shows how the RGB color 228, 242, 246 looks on a white background.

## Color Contrast Check

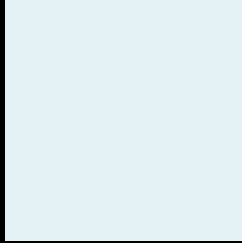
Large Text (above 18pt) WCAG AA × Fail

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 228, 242, 246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

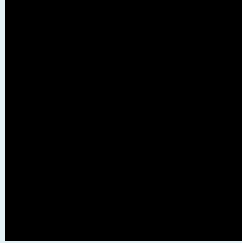
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

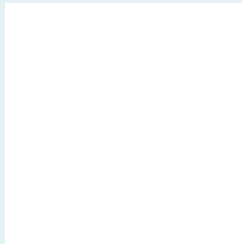
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 228, 242, 246 Background



This preview shows how black text looks on a background with the RGB color 228, 242, 246.

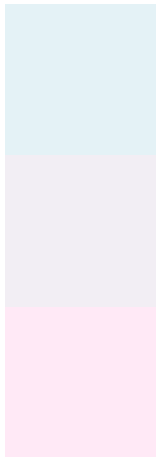


This preview shows how white text looks on a background with the RGB color 228, 242, 246.

# 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**  
228, 242, 246

**Protanopia**  
242, 238, 244

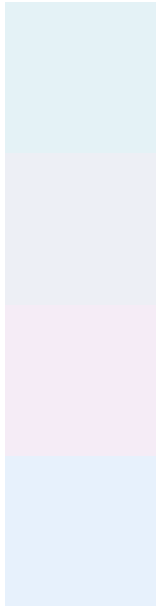
**Deuteranopia**  
255, 233, 246



# Tritanopia

232, 240, 255

# Trichromacy



**Original Color**

228, 242, 246

**Protanomaly**

237, 239, 245

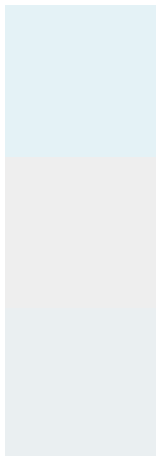
**Deuteranomaly**

245, 236, 246

**Tritanomaly**

231, 241, 252

# Monochromacy



**Original Color**

228, 242, 246

**Achromatopsia**

238, 238, 238

**Achromatomaly**

234, 239, 241

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 228, 242, 246 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(228, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 246)  
}
```

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(228, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 246) }
```

## Border

The CSS property to change the border of an element to RGB 228, 242, 246 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(228, 242, 246) }
```

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

```
.border{ border-color:rgb(228, 242, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 242, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
246) }
```

# Background

The CSS property to change the background color of an element to RGB 228, 242, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 246) }
```

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

```
.background{ background-color: rgb(228,  
242, 246) }
```

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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