

# Converting Colors

RGB(228, 248, 231)

Have a look what the booklet for  
RGB(228, 248, 231) contains.

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# **Color**

**RGB(228, 248, 231)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4F8E7
RGB	228, 248, 231
RGB Percent	89%, 97%, 91%
CMY	0.1059, 0.0275, 0.0941
CMYK	0.08, 0.00, 0.07, 0.03
HSL	129°, 59%, 93%
HSV	129°, 8%, 97%
XYZ	79.9861, 89.3983, 88.6412
YIQ	240.0820, -6.4630, -9.5270

# Conversions

## Conversions Part 2

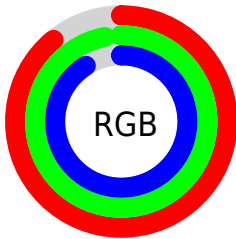
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 245, 248
Decimal	15005927
CIE Lab	95.75, -9.61, 5.92
CIE LCh	96, 11.285, 148.366
Yxy	89.3983, 0.3100, 0.3465
Android (android.graphics.Color)	4293196007 (0xFFE4F8E7)
YUV	240.0820, -4.4774, -10.5959
Hunter-Lab	94.5507, -14.4598, 10.6011

# Details

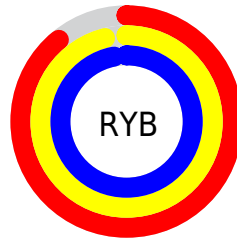
The RGB color **228, 248, 231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **248, 228, 245**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 192, 175** is the 20% darker color. If you saturate the color by 10%, you get **203, 248, 210**, and if you desaturate by 10%, it is 253, 248, 252.

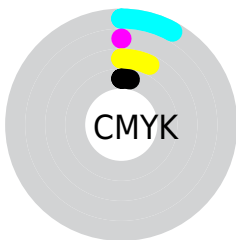
# Distribution



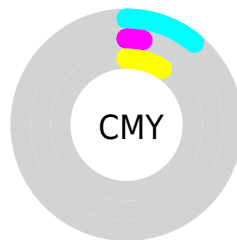
- Red (89%)
- Green (97%)
- Blue (91%)



- Red (89%)
- Yellow (96%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)



- Cyan (11%)
- Magenta (3%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 228, 248, 231 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, 248, 231 by changing the saturation by 10% instead.



 228, 248, 231


255, 255, 255

 228, 248, 231

 200, 219, 203

 173, 192, 175

 146, 164, 149

 120, 138, 123

 95, 113, 98

 72, 88, 74

 49, 65, 52

 28, 43, 31

 3, 23, 6

 228, 248, 231

 228, 248, 231

 203, 248, 210

 253, 248, 252

 178, 248, 189

 255, 248, 255

 154, 248, 168

 129, 248, 147

 104, 248, 126

 79, 248, 105

 54, 248, 83

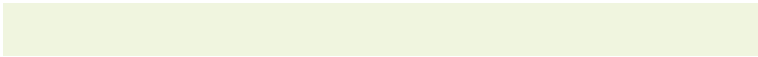
 30, 248, 62

 5, 248, 41

# Harmonies

## Analogous

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



240, 245, 223



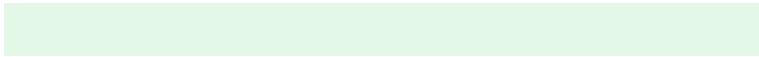
228, 248, 231



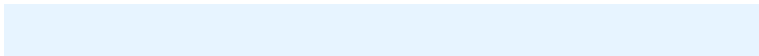
219, 249, 242

# Triad

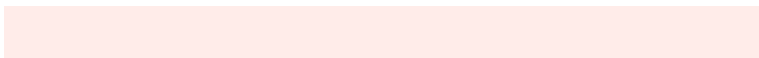
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 248, 231



231, 244, 255



255, 236, 233

# Complementary

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



228, 248, 231



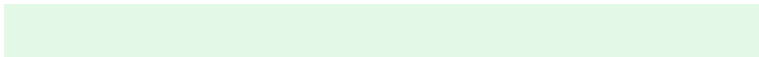
248, 228, 245

# 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.



255, 236, 244



228, 248, 231



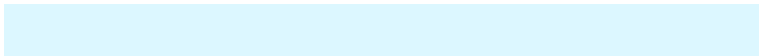
244, 240, 255

# Square

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



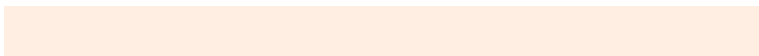
228, 248, 231



220, 247, 255



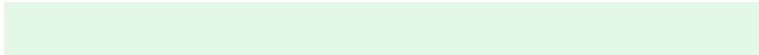
255, 237, 254



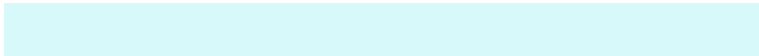
255, 238, 225

# Rectangle

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



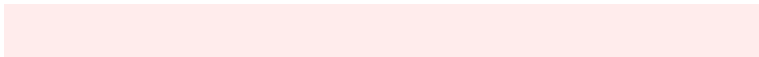
228, 248, 231



216, 249, 249



255, 237, 254



255, 236, 236



# Sweetspot

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



228, 248, 231



250, 255, 251



245, 248, 228



125, 128, 125



0, 0, 0



128, 128, 128

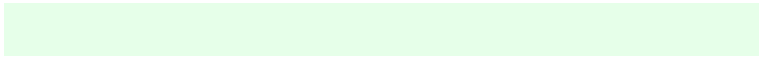


# Same Dimension

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



228, 248, 231



230, 255, 233



228, 248, 241



112, 125, 114



0, 189, 28



0, 61, 9



# Inverse Universe

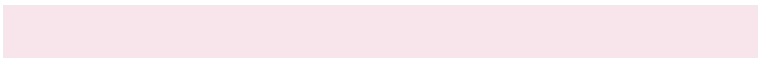
The Inverse Universe completely reimagines the original color for something new.



248, 228, 245



255, 230, 251



248, 228, 235



125, 112, 123



189, 0, 160

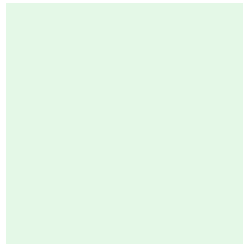


61, 0, 52



# Previews

## White Background



This preview shows how the RGB color 228, 248, 231 looks on a white background.

## Color Contrast Check

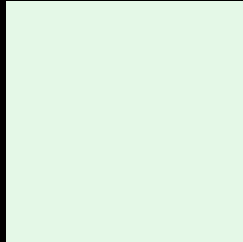
Large Text (above 18pt) WCAG AA × Fail

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, 248, 231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

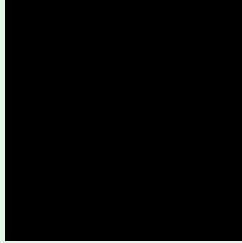
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

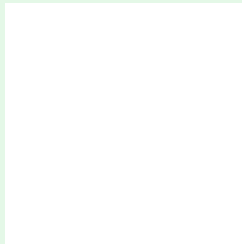
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 228, 248, 231 Background



This preview shows how black text looks on a background with the RGB color 228, 248, 231.

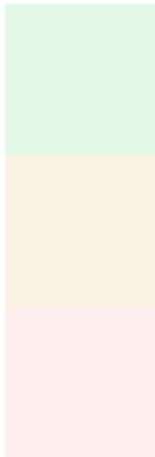


This preview shows how white text looks on a background with the RGB color 228, 248, 231.

# 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, 248, 231

**Protanopia**  
250, 242, 227

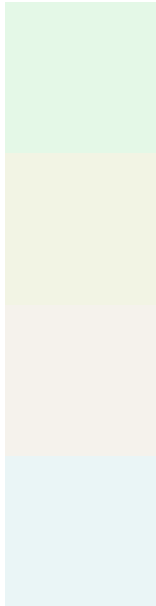
**Deuteranopia**  
255, 239, 239



# Tritanopia

237, 243, 255

# Trichromacy



**Original Color**

228, 248, 231

**Protanomaly**

242, 244, 228

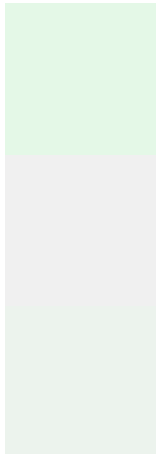
**Deuteranomaly**

245, 242, 236

**Tritanomaly**

234, 245, 246

# Monochromacy



**Original Color**

228, 248, 231

**Achromatopsia**

240, 240, 240

**Achromatomaly**

236, 243, 237

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 228, 248, 231 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, 248, 231)` looks like.

```
.text, #text, p{  
    color:rgb(228, 248, 231)  
}
```

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, 248, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 248, 231) }
```

## Border

The CSS property to change the border of an element to RGB 228, 248, 231 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, 248, 231) }
```

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

```
.border{ border-color:rgb(228, 248, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 248, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 248, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 248, 231);  
box-shadow:4px 4px 4px 4px rgb(228, 248,  
231) }
```

# Background

The CSS property to change the background color of an element to RGB 228, 248, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 248, 231) }
```

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

```
.background{ background-color: rgb(228,  
248, 231) }
```

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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