

Converting Colors

RGB(231, 240, 228)

Have a look what the booklet for
RGB(231, 240, 228) contains.

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Color

RGB(231, 240, 228)

Conversions

Conversions Part 1

Format	Color
Hex	E7F0E4
RGB	231, 240, 228
RGB Percent	91%, 94%, 89%
CMY	0.0941, 0.0588, 0.1059
CMYK	0.04, 0.00, 0.05, 0.06
HSL	105°, 29%, 92%
HSV	105°, 5%, 94%
XYZ	78.1187, 84.9105, 85.6709
YIQ	235.9410, -1.5120, -5.6400

Conversions

Conversions Part 2

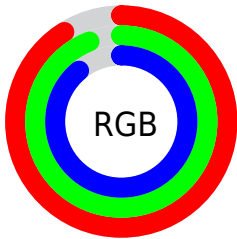
Format	Color
R_{YB}	228, 240, 237
Decimal	15200484
CIE _{Lab}	93.84, -5.11, 4.75
CIE _{LCh}	94, 6.978, 137.110
Yxy	84.9105, 0.3141, 0.3414
Android (android.graphics.Color)	4293390564 (0xFFE7F0E4)
YUV	235.9410, -3.9149, -4.3333
Hunter-Lab	92.1469, -9.9315, 9.3797

Details

The RGB color **231, 240, 228** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **237, 228, 240**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 184, 173** is the 20% darker color. If you saturate the color by 10%, you get **213, 240, 204**, and if you desaturate by 10%, it is **249, 240, 252**.

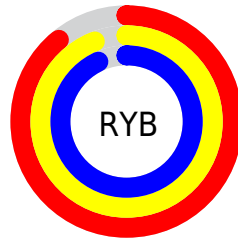
Distribution



Red (91%)

Green (94%)

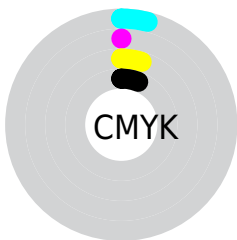
Blue (89%)



Red (89%)

Yellow (94%)

Blue (93%)

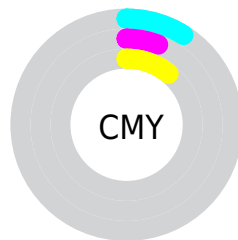


Cyan (4%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (9%)

Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 231, 240, 228 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, 240, 228 by changing the saturation by 10% instead.

231, 240, 228

255, 255, 255

231, 240, 228

203, 212, 200

175, 184, 173

149, 157, 146

123, 131, 120

98, 106, 96

74, 82, 72

52, 59, 50

31, 37, 29

6, 16, 2

 231, 240, 228

 231, 240, 228

 213, 240, 204

 249, 240, 252


 195, 240, 180


 255, 240, 255

 177, 240, 156

 159, 240, 132

 141, 240, 108

 123, 240, 84

 105, 240, 60

 87, 240, 36

 69, 240, 12

Harmonies

Analogous

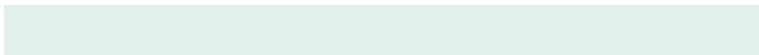
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



239, 238, 224



231, 240, 228



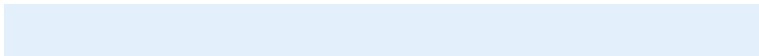
225, 241, 234

Triad

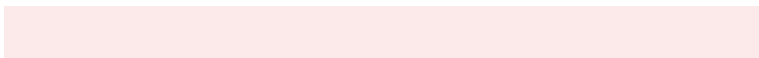
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231, 240, 228



227, 239, 250



252, 233, 234

Complementary

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



231, 240, 228



237, 228, 240

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.



250, 233, 240



231, 240, 228



235, 237, 250

Square

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



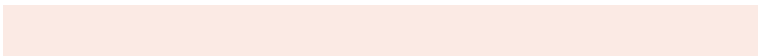
231, 240, 228



222, 241, 247



243, 234, 246



251, 234, 228

Rectangle

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



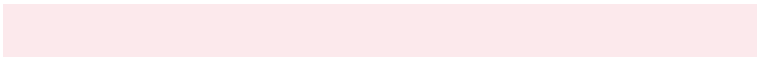
231, 240, 228



222, 241, 239



243, 234, 246



252, 233, 236

Sweetspot

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



231, 240, 228



251, 255, 250



240, 237, 228



126, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

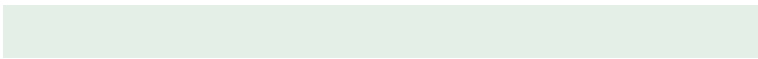
The Same Dimension uses a secret algorithm to generate beautiful new colors.



231, 240, 228



244, 255, 240



228, 240, 231



114, 120, 111



46, 184, 0



14, 56, 0

Inverse Universe

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



237, 228, 240



251, 240, 255



240, 228, 237



118, 111, 120



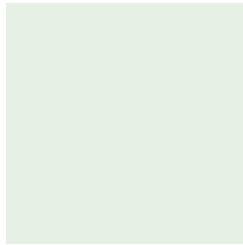
138, 0, 184



42, 0, 56

Previews

White Background



This preview shows how the RGB color 231, 240, 228 looks on a white background.

Color Contrast Check

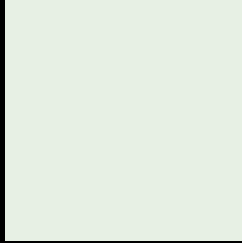
Large Text (above 18pt) WCAG AA × Fail

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, 240, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

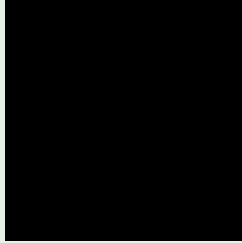
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

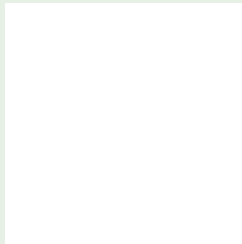
Any Text WCAG AAA ✓ Pass

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

RGB 231, 240, 228 Background



This preview shows how black text looks on a background with the RGB color 231, 240, 228.

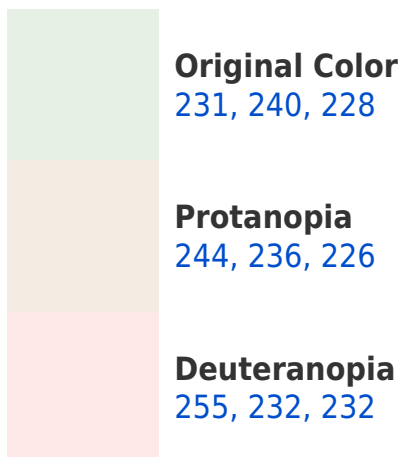


This preview shows how white text looks on a background with the RGB color 231, 240, 228.

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](#).

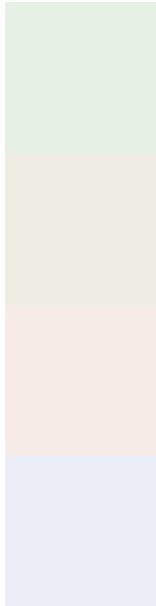
Dichromacy





Tritanopia
235, 236, 255

Trichromacy



Original Color

231, 240, 228

Protanomaly

239, 237, 227

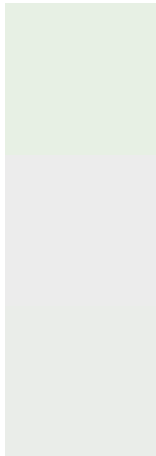
Deuteranomaly

246, 235, 231

Tritanomaly

234, 237, 245

Monochromacy



Original Color

231, 240, 228

Achromatopsia

236, 236, 236

Achromatomaly

234, 237, 233

CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 240, 228 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, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 240, 228)  
}
```

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, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 240, 228) }
```

Border

The CSS property to change the border of an element to RGB 231, 240, 228 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, 240, 228) }
```

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

```
.border{ border-color:rgb(231, 240, 228) }
```

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

Here you see how a box with a 4 pixel rgb(231, 240, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 240,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 231, 240, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 240, 228) }
```

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

```
.background{ background-color: rgb(231,  
240, 228) }
```

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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