

Converting Colors

RGB(231, 237, 228)

Have a look what the booklet for
RGB(231, 237, 228) contains.

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Color

RGB(231, 237, 228)

Conversions

Conversions Part 1

Format	Color
Hex	E7EDE4
RGB	231, 237, 228
RGB Percent	91%, 93%, 89%
CMY	0.0941, 0.0706, 0.1059
CMYK	0.03, 0.00, 0.04, 0.07
HSL	100°, 20%, 91%
HSV	100°, 4%, 93%
XYZ	77.2428, 83.1587, 85.3789
YIQ	234.1800, -0.6870, -4.0710

Conversions

Conversions Part 2

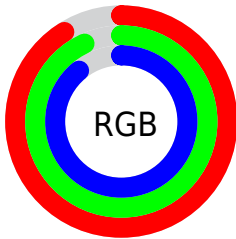
Format	Color
R _Y B	228, 237, 234
Decimal	15199716
CIE Lab	93.08, -3.59, 3.65
CIE LCh	93, 5.119, 134.550
Yxy	83.1587, 0.3143, 0.3383
Android (android.graphics.Color)	4293389796 (0xFFE7EDE4)
YUV	234.1800, -3.0467, -2.7889
Hunter-Lab	91.1914, -8.3883, 8.3231

Details

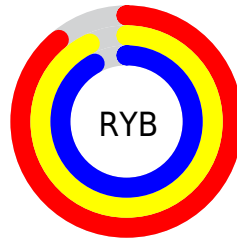
The RGB color **231, 237, 228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 228, 237**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 181, 173** is the 20% darker color. If you saturate the color by 10%, you get **215, 237, 204**, and if you desaturate by 10%, it is **247, 237, 252**.

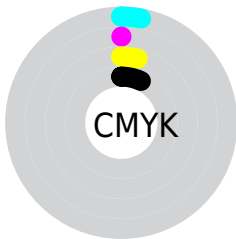
Distribution



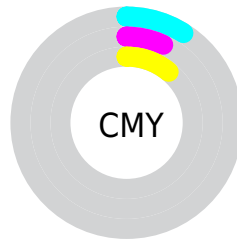
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (92%)



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



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 231, 237, 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, 237, 228 by changing the saturation by 10% instead.

■ 231, 237, 228

255, 255, 255

■ 231, 237, 228

■ 203, 209, 200

■ 175, 181, 173

■ 149, 154, 146

■ 123, 128, 120

■ 98, 103, 96

■ 74, 79, 72

■ 52, 56, 50

■ 31, 35, 29

■ 6, 13, 2

 231, 237, 228

 231, 237, 228

 215, 237, 204

 247, 237, 252


 199, 237, 181


 255, 237, 255


 184, 237, 157

 168, 237, 133

 152, 237, 110

 136, 237, 86

 120, 237, 62

 105, 237, 38

 89, 237, 15

Harmonies

Analogous

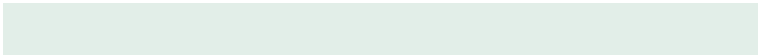
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237, 236, 226



231, 237, 228



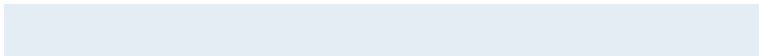
226, 238, 232

Triad

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



231, 237, 228



228, 236, 244



246, 232, 233

Complementary

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



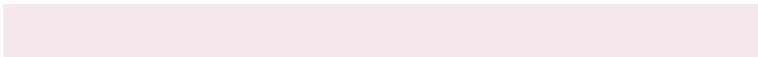
231, 237, 228



234, 228, 237

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.



244, 232, 238



231, 237, 228



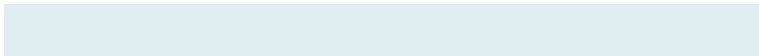
233, 235, 245

Square

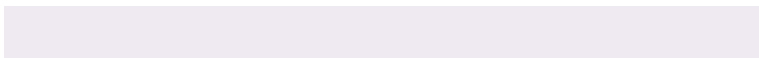
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



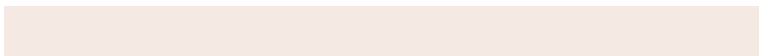
231, 237, 228



224, 238, 242



239, 233, 242



245, 233, 228

Rectangle

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



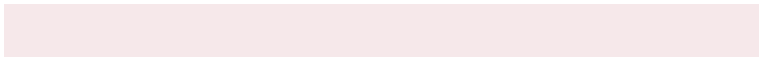
231, 237, 228



224, 238, 236



239, 233, 242



246, 232, 234

Sweetspot

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



231, 237, 228



253, 255, 252



237, 234, 228



127, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



231, 237, 228



246, 255, 242



228, 237, 230



113, 117, 110



60, 181, 0



18, 54, 0

Inverse Universe

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



234, 228, 237



251, 242, 255



237, 228, 235



115, 110, 117



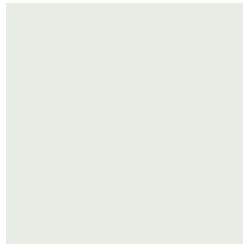
121, 0, 181



36, 0, 54

Previews

White Background



This preview shows how the RGB color 231, 237, 228 looks on a white background.

Color Contrast Check

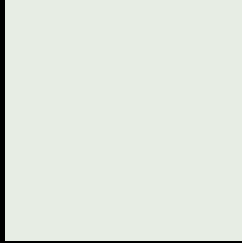
Large Text (above 18pt) WCAG AA × Fail

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, 237, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

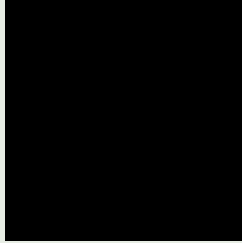
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

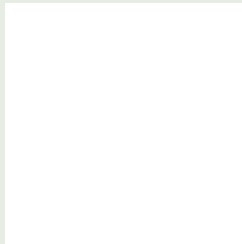
Any Text WCAG AAA ✓ Pass

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

RGB 231, 237, 228 Background



This preview shows how black text looks on a background with the RGB color 231, 237, 228.



This preview shows how white text looks on a background with the RGB color 231, 237, 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](#).

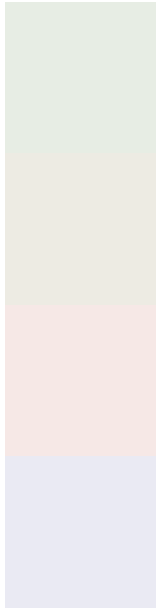
Dichromacy





Tritanopia
235, 233, 252

Trichromacy



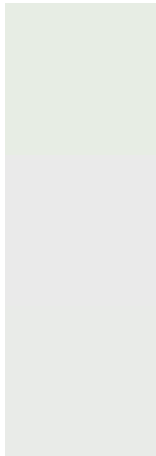
Original Color
231, 237, 228

Protanomaly
237, 235, 227

Deuteranomaly
246, 232, 230

Tritanomaly
234, 234, 243

Monochromacy



Original Color
231, 237, 228

Achromatopsia
234, 234, 234

Achromatomaly
233, 235, 232

CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 237, 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, 237, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 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, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 228) }
```

Border

The CSS property to change the border of an element to RGB 231, 237, 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, 237, 228) }
```

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

```
.border{ border-color:rgb(231, 237, 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, 237, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 231, 237, 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, 237, 228) }
```

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

```
.background{ background-color: rgb(231,  
237, 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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