

Converting Colors

RGB(228, 231, 255)

Have a look what the booklet for
RGB(228, 231, 255) contains.

RGB(228, 231, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(228, 231, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E4E7FF
RGB	228, 231, 255
RGB Percent	89%, 91%, 100%
CMY	0.1059, 0.0941, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	233°, 100%, 95%
HSV	233°, 11%, 100%
XYZ	78.6208, 80.8658, 106.0726
YIQ	232.8390, -9.4920, 6.8280

Conversions

Conversions Part 2

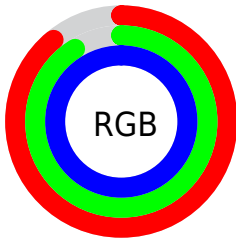
Format	Color
R _Y B	228, 231, 255
Decimal	15001599
CIE Lab	92.07, 3.53, -11.93
CIE LCh	92, 12.444, 286.476
Yxy	80.8658, 0.2961, 0.3045
Android (android.graphics.Color)	4293191679 (0xFFE4E7FF)
YUV	232.8390, 10.9254, -4.2438
Hunter-Lab	89.9254, -1.3089, -6.9885

Details

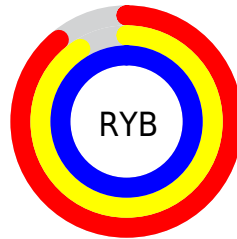
The RGB color **228, 231, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 252, 228**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 175, 198** is the 20% darker color. If you saturate the color by 10%, you get **203, 208, 255**, and if you desaturate by 10%, it is **254, 254, 255**.

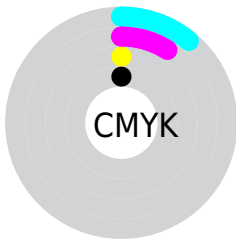
Distribution



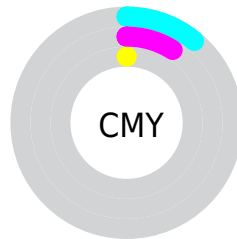
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 231, 255 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, 231, 255 by changing the saturation by 10% instead.

■ 228, 231, 255

255, 255, 255

■ 228, 231, 255

■ 200, 203, 226

■ 172, 175, 198

■ 146, 149, 171

■ 120, 123, 144

■ 95, 98, 119

■ 71, 74, 94

■ 48, 52, 70

■ 27, 31, 48

■ 3, 6, 27

■ 228, 231, 255

■ 228, 231, 255

■ 203, 208, 255

254, 254, 255

■ 177, 186, 255

255, 255, 255

■ 152, 163, 255

■ 126, 140, 255

■ 101, 118, 255

■ 75, 95, 255

■ 50, 72, 255

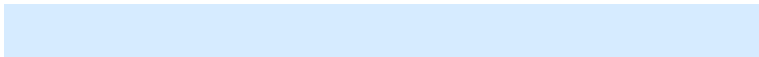
■ 24, 50, 255

■ 0, 28, 255

Harmonies

Analogous

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



214, 235, 255



228, 231, 255



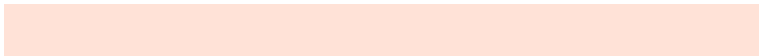
243, 227, 249

Triad

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



228, 231, 255



255, 226, 215



209, 239, 226

Complementary

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



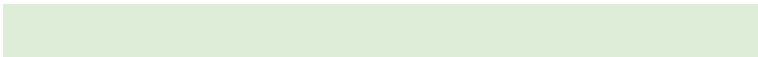
228, 231, 255



255, 252, 228

Split Complementary

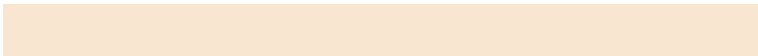
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221, 237, 216



228, 231, 255



248, 230, 209

Square

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



228, 231, 255



255, 224, 226



235, 234, 209



203, 239, 239

Rectangle

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



228, 231, 255



250, 225, 242



235, 234, 209



213, 239, 222

Sweetspot

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



228, 231, 255



247, 248, 255



228, 255, 252



122, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 231, 255



222, 226, 255



238, 228, 255



115, 116, 128



0, 21, 191



0, 7, 64

Inverse Universe

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



255, 228, 231



255, 222, 226



245, 255, 228



128, 115, 116



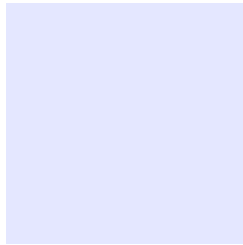
191, 0, 21



64, 0, 7

Previews

White Background



This preview shows how the RGB color 228, 231, 255 looks on a white background.

Color Contrast Check

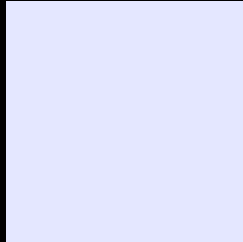
Large Text (above 18pt) WCAG AA × Fail

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, 231, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

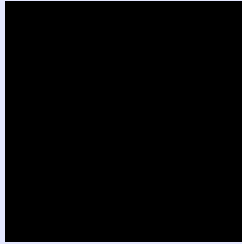
Any Text WCAG AA ✓ Pass

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, 231, 255 Background



This preview shows how black text looks on a background with the RGB color 228, 231, 255.



This preview shows how white text looks on a background with the RGB color 228, 231, 255.

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, 231, 255

Protanopia
230, 231, 255

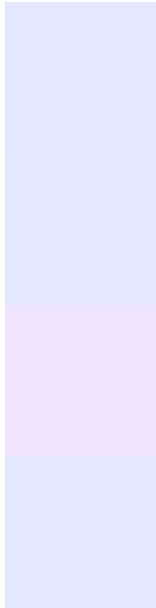
Deuteranopia
243, 226, 255



Tritanopia

227, 232, 250

Trichromacy



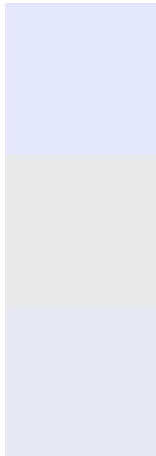
Original Color
228, 231, 255

Protanomaly
229, 231, 255

Deuteranomaly
238, 228, 255

Tritanomaly
227, 232, 252

Monochromacy



Original Color
228, 231, 255

Achromatopsia
233, 233, 233

Achromatomaly
231, 232, 241

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 231, 255 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 255)  
}
```

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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 255) }
```

Border

The CSS property to change the border of an element to RGB 228, 231, 255 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, 231, 255) }
```

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

```
.border{ border-color:rgb(228, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 228, 231, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 255) }
```

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

```
.background{ background-color: rgb(228,  
231, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor