

Converting Colors

RGB(227, 232, 255)

Have a look what the booklet for
RGB(227, 232, 255) contains.

RGB(227, 232, 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(227, 232, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E3E8FF
RGB	227, 232, 255
RGB Percent	89%, 91%, 100%
CMY	0.1098, 0.0902, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	229°, 100%, 95%
HSV	229°, 11%, 100%
XYZ	78.5852, 81.2641, 106.1514
YIQ	233.1270, -10.3630, 6.0930

Conversions

Conversions Part 2

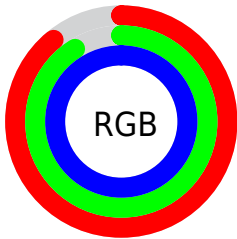
Format	Color
R _Y B	227, 231, 255
Decimal	14936319
CIE Lab	92.25, 2.69, -11.68
CIE LCh	92, 11.984, 282.995
Yxy	81.2641, 0.2954, 0.3055
Android (android.graphics.Color)	4293126399 (0xFFE3E8FF)
YUV	233.1270, 10.7834, -5.3734
Hunter-Lab	90.1466, -2.1495, -6.7138

Details

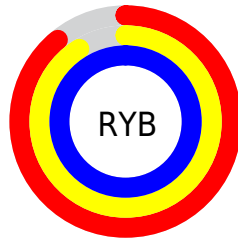
The RGB color **227, 232, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 250, 227**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **172, 176, 198** is the 20% darker color. If you saturate the color by 10%, you get **202, 211, 255**, and if you desaturate by 10%, it is 252, 253, 255.

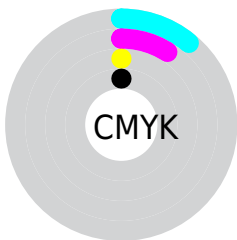
Distribution



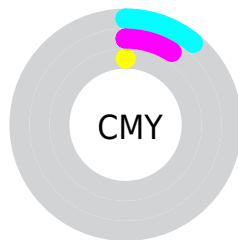
- Red (89%)
- Green (91%)
- Blue (100%)



- 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 227, 232, 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 227, 232, 255 by changing the saturation by 10% instead.

■ 227, 232, 255

255, 255, 255

■ 227, 232, 255

■ 199, 204, 226

■ 172, 176, 198

■ 145, 150, 171

■ 119, 124, 144

■ 94, 99, 119

■ 70, 75, 94

■ 48, 53, 70

■ 26, 32, 48

■ 2, 7, 27

■ 227, 232, 255

■ 227, 232, 255

■ 202, 211, 255

■ 252, 253, 255

■ 176, 190, 255

255, 255, 255

■ 150, 169, 255

■ 125, 148, 255

■ 99, 127, 255

■ 74, 106, 255

■ 49, 85, 255

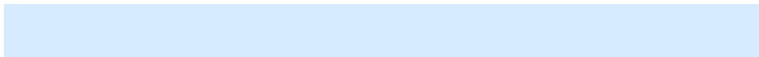
■ 23, 64, 255

■ 0, 46, 255

Harmonies

Analogous

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



214, 236, 254



227, 232, 255



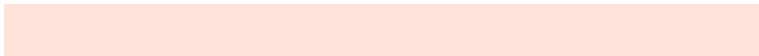
241, 228, 250

Triad

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



227, 232, 255



255, 227, 217



212, 239, 226

Complementary

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



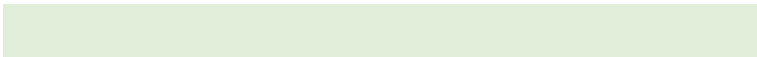
227, 232, 255



255, 250, 227

Split Complementary

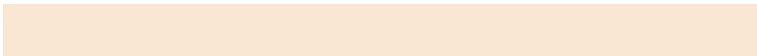
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



224, 237, 216



227, 232, 255



249, 230, 211

Square

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



227, 232, 255



255, 225, 228



237, 234, 210



205, 240, 237

Rectangle

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



227, 232, 255



249, 226, 243



237, 234, 210



215, 239, 222

Sweetspot

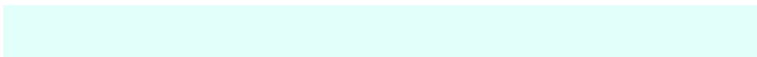
The Sweet Spot groups the original color and five complimentary colors.



227, 232, 255



247, 249, 255



227, 255, 250



122, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 232, 255



222, 228, 255



236, 227, 255



115, 117, 128



0, 34, 191



0, 11, 64

Inverse Universe

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



255, 227, 232



255, 222, 228



246, 255, 227



128, 115, 117



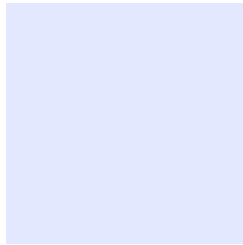
191, 0, 34



64, 0, 11

Previews

White Background



This preview shows how the RGB color 227, 232, 255 looks on a white background.

Color Contrast Check

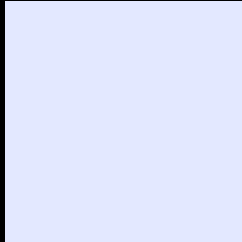
Large Text (above 18pt) WCAG AA × Fail

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 227, 232, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

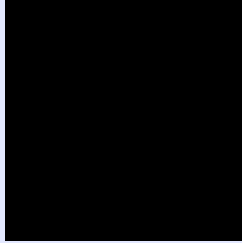
Any Text WCAG AA ✓ Pass

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 227, 232, 255 Background



This preview shows how black text looks on a background with the RGB color 227, 232, 255.



This preview shows how white text looks on a background with the RGB color 227, 232, 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
227, 232, 255

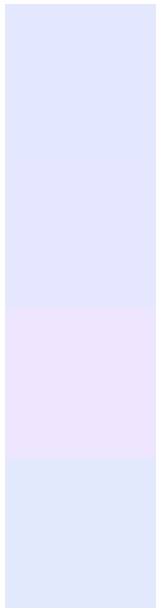
Protanopia
230, 231, 254

Deuteranopia
244, 227, 255



Tritanopia
226, 233, 251

Trichromacy



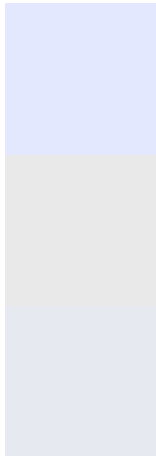
Original Color
227, 232, 255

Protanomaly
229, 231, 254

Deuteranomaly
238, 229, 255

Tritanomaly
226, 233, 252

Monochromacy



Original Color
227, 232, 255

Achromatopsia
233, 233, 233

Achromatomaly
231, 233, 241

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 232, 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(227, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 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(227, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 255) }
```

Border

The CSS property to change the border of an element to RGB 227, 232, 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(227, 232, 255) }
```

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

```
.border{ border-color:rgb(227, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 227, 232, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 255) }
```

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

```
.background{ background-color: rgb(227,  
232, 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