

Converting Colors

`RYB(228, 233, 255)`

Have a look what the booklet for
RYB(228, 233, 255) contains.

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Color

`RYB(228, 233, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	E4EAFF
RGB	228, 234, 255
RGB Percent	89%, 92%, 100%
CMY	0.1059, 0.0818, 0.0000
CMYK	0.11, 0.08, 0.00, 0.00
HSL	226°, 100%, 95%
HSV	226°, 11%, 100%
XYZ	79.5066, 82.6373, 106.3679
YIQ	234.6000, -10.3170, 5.2590

Conversions

Conversions Part 2

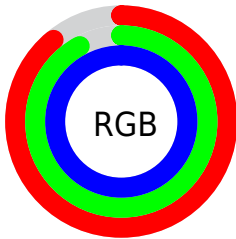
Format	Color
R _Y B	228, 233, 255
Decimal	15002367
CIE Lab	92.86, 1.91, -10.77
CIE LCh	93, 10.934, 280.052
Yxy	82.6373, 0.2961, 0.3078
Android (android.graphics.Color)	4293192447 (0xFFE4EAF7)
YUV	234.6000, 10.0572, -5.7882
Hunter-Lab	90.9051, -2.9658, -5.7416

Details

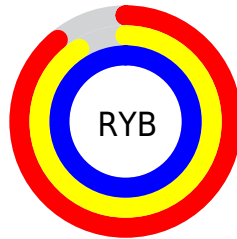
The RYB color **228, 233, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **236, 255, 228**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 177, 198** is the 20% darker color. If you saturate the color by 10%, you get **203, 212, 255**, and if you desaturate by 10%, it is **254, 254, 255**.

Distribution



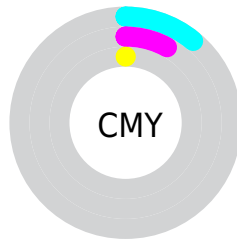
- Red (89%)
- Green (92%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 233, 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 RYB color 228, 233, 255 by changing the saturation by 10% instead.

■ 228, 233, 255

255, 255, 255

■ 228, 233, 255

■ 200, 205, 226

■ 172, 177, 198

■ 146, 151, 171

■ 120, 125, 144

■ 95, 100, 119

■ 71, 76, 94

■ 48, 53, 70

■ 27, 32, 48

■ 3, 8, 27

■ 228, 233, 255

■ 228, 233, 255

■ 203, 212, 255

254, 254, 255

■ 177, 192, 255

255, 255, 255

■ 152, 171, 255

■ 126, 150, 255

■ 101, 130, 255

■ 75, 108, 255

■ 50, 88, 255

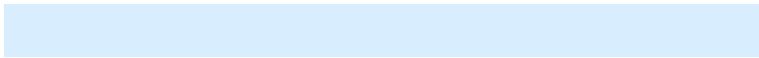
■ 24, 66, 255

■ 0, 47, 255

Harmonies

Analogous

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



216, 230, 254



228, 233, 255



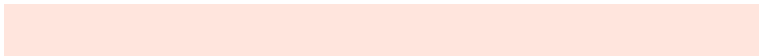
241, 231, 251

Triad

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



228, 233, 255



255, 231, 221



216, 232, 240

Complementary

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



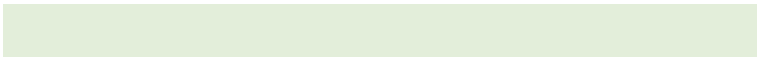
228, 233, 255



236, 255, 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.



218, 238, 229



228, 233, 255



250, 244, 215

Square

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



228, 233, 255



255, 227, 231



220, 240, 214



210, 226, 241

Rectangle

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



228, 233, 255



249, 229, 245



220, 240, 214



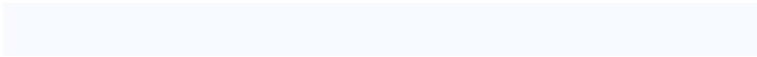
220, 237, 240

Sweetspot

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



228, 233, 255



247, 249, 255



228, 243, 255



122, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 233, 255



222, 228, 255



235, 228, 255



115, 117, 128



0, 35, 191



0, 11, 64

Inverse Universe

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



255, 228, 234



255, 222, 229



228, 255, 235



128, 115, 118



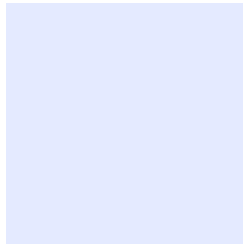
191, 0, 43



64, 0, 14

Previews

White Background



This preview shows how the RYB color 228, 233, 255 looks on a white background.

Color Contrast Check

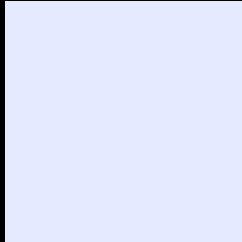
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 228, 233, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

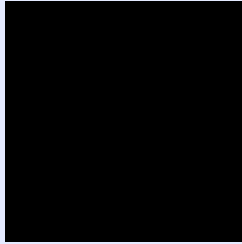
Any Text WCAG AA ✓ Pass

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](#).

RYB 228, 233, 255 Background



This preview shows how black text looks on a background with the RYB color 228, 233, 255.



This preview shows how white text looks on a background with the RYB color 228, 233, 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, 233, 255

Protanopia
233, 233, 254

Deuteranopia
246, 228, 255



Tritanopia

228, 233, 253

Trichromacy



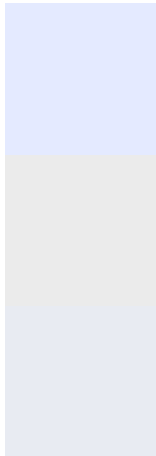
Original Color
228, 233, 255

Protanomaly
231, 233, 254

Deuteranomaly
239, 230, 255

Tritanomaly
228, 233, 254

Monochromacy



Original Color
228, 233, 255

Achromatopsia
235, 235, 235

Achromatomaly
232, 234, 242

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 233, 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, 234, 255) looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 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, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 255) }
```

Border

The CSS property to change the border of an element to RYB 228, 233, 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, 234, 255) }
```

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

```
.border{ border-color:rgb(228, 234, 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, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 228, 233, 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, 234, 255) }
```

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

```
.background{ background-color: rgb(228,  
234, 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](#).

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