

Converting Colors

`RYB(228, 233, 254)`

Have a look what the booklet for RYB(228, 233, 254) contains.

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Color

R_YB(228, 233, 254)

Conversions

Conversions Part 1

Format	Color
Hex	E4EAFE
RGB	228, 234, 254
RGB Percent	89%, 92%, 100%
CMY	0.1059, 0.0816, 0.0039
CMYK	0.10, 0.08, 0.00, 0.00
HSL	226°, 93%, 95%
HSV	226°, 10%, 100%
XYZ	79.3614, 82.6039, 105.5273
YIQ	234.4860, -9.9960, 4.9480

Conversions

Conversions Part 2

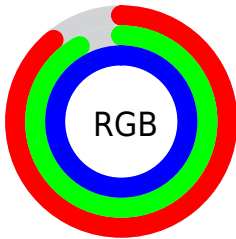
Format	Color
R _Y B	228, 233, 254
Decimal	15002366
CIE Lab	92.84, 1.68, -10.27
CIE LCh	93, 10.405, 279.318
Yxy	82.6039, 0.2967, 0.3088
Android (android.graphics.Color)	4293192446 (0xFFE4EAFE)
YUV	234.4860, 9.6204, -5.6882
Hunter-Lab	90.8867, -3.1872, -5.2201

Details

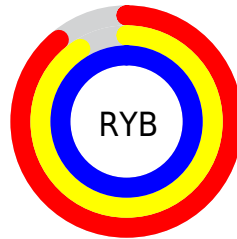
The RYB color **228, 233, 254** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **236, 254, 228**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 177, 197** is the 20% darker color. If you saturate the color by 10%, you get **203, 213, 254**, and if you desaturate by 10%, it is **253, 254, 254**.

Distribution



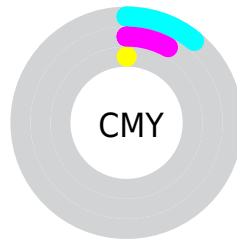
- Red (89%)
- Green (92%)
- Blue (100%)



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



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 233, 254 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, 254 by changing the saturation by 10% instead.

■ 228, 233, 254

255, 255, 255

■ 228, 233, 254

■ 200, 205, 225

■ 172, 177, 197

■ 146, 151, 170

■ 120, 125, 144

■ 95, 100, 118

■ 71, 76, 93

■ 49, 53, 70

■ 27, 32, 47

■ 3, 8, 27

■ 228, 233, 254

■ 228, 233, 254

■ 203, 213, 254

■ 253, 254, 254

■ 177, 192, 254

254, 255, 254

■ 152, 171, 254

■ 126, 151, 254

■ 101, 130, 254

■ 76, 110, 254

■ 50, 90, 254

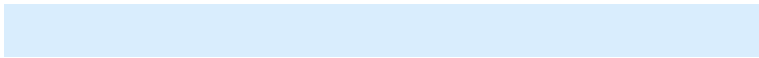
■ 25, 69, 254

■ 0, 49, 254

Harmonies

Analogous

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



217, 230, 253



228, 233, 254



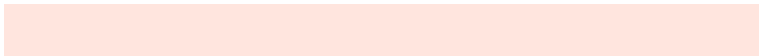
240, 231, 250

Triad

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



228, 233, 254



255, 231, 222



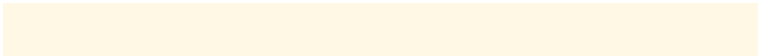
217, 233, 240

Complementary

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



228, 233, 254



236, 254, 228

Split Complementary

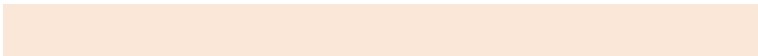
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



219, 238, 229



228, 233, 254



250, 243, 216

Square

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



228, 233, 254



255, 228, 232



221, 240, 215



211, 227, 241

Rectangle

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



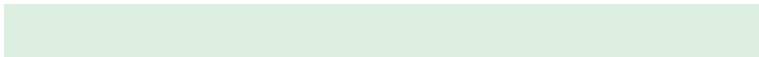
228, 233, 254



248, 229, 245



221, 240, 215



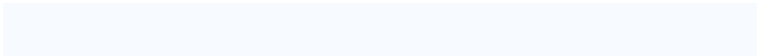
221, 236, 239

Sweetspot

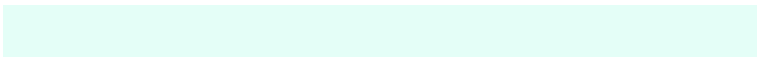
The Sweet Spot groups the original color and five complimentary colors.



228, 233, 254



247, 249, 255



228, 243, 254



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, 254



224, 230, 255



235, 228, 254



115, 117, 128



0, 37, 191



0, 12, 64

Inverse Universe

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



254, 228, 234



255, 224, 232



228, 254, 234



128, 115, 118



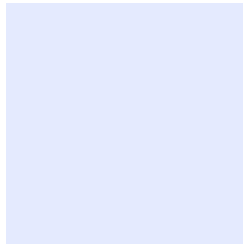
191, 0, 46



64, 0, 15

Previews

White Background



This preview shows how the RYB color 228, 233, 254 looks on a white background.

Color Contrast Check

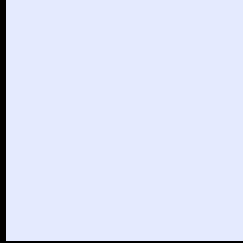
Large Text (above 18pt) WCAG AA × Fail

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, 254 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

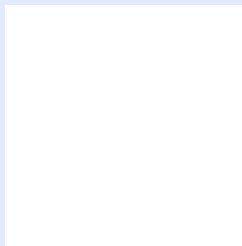
Any Text WCAG AAA ✓ Pass

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

RYB 228, 233, 254 Background



This preview shows how black text looks on a background with the RYB color 228, 233, 254.



This preview shows how white text looks on a background with the RYB color 228, 233, 254.

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, 254

Protanopia
233, 233, 253

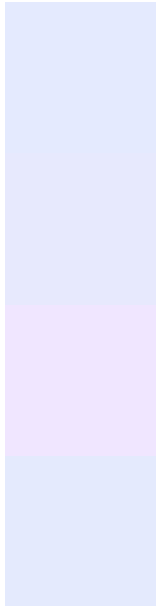
Deuteranopia
247, 228, 255



Tritanopia

228, 233, 253

Trichromacy



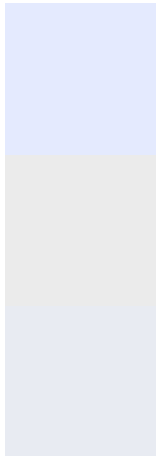
Original Color
228, 233, 254

Protanomaly
231, 233, 253

Deuteranomaly
240, 230, 255

Tritanomaly
228, 233, 253

Monochromacy



Original Color
228, 233, 254

Achromatopsia
235, 235, 235

Achromatomaly
232, 234, 242

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 233, 254 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 254) }
```

Border

The CSS property to change the border of an element to RYB 228, 233, 254 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, 254) }
```

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

```
.border{ border-color:rgb(228, 234, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
254) }
```

Background

The CSS property to change the background color of an element to RYB 228, 233, 254 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, 254) }
```

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

```
.background{ background-color: rgb(228,  
234, 254) }
```

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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