

Converting Colors

`RYB(231, 234, 252)`

Have a look what the booklet for
RYB(231, 234, 252) contains.

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Color

R_YB(231, 234, 252)

Conversions

Conversions Part 1

Format	Color
Hex	E7EBFC
RGB	231, 235, 252
RGB Percent	91%, 92%, 99%
CMY	0.0941, 0.0804, 0.0118
CMYK	0.08, 0.07, 0.00, 0.01
HSL	230°, 78%, 95%
HSV	230°, 8%, 99%
XYZ	80.0911, 83.1479, 103.9234
YIQ	235.7420, -7.8410, 4.4390

Conversions

Conversions Part 2

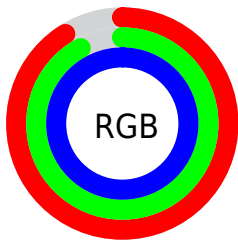
Format	Color
R_{YB}	231, 234, 252
Decimal	15199228
CIE _{Lab}	93.08, 2.10, -8.85
CIE _{LCh}	93, 9.093, 283.324
Yxy	83.1479, 0.2998, 0.3112
Android (android.graphics.Color)	4293389308 (0xFFE7EBFC)
YUV	235.7420, 8.0152, -4.1587
Hunter-Lab	91.1855, -2.7925, -3.7425

Details

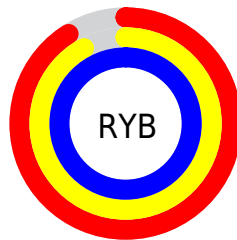
The RYB color **231, 234, 252** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **236, 252, 231**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 178, 195** is the 20% darker color. If you saturate the color by 10%, you get **206, 212, 252**, and if you desaturate by 10%, it is 252, 255, 252.

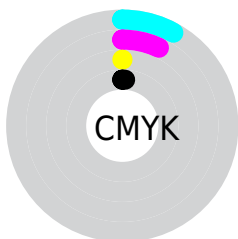
Distribution



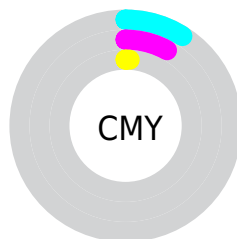
- Red (91%)
- Green (92%)
- Blue (99%)



- Red (91%)
- Yellow (92%)
- Blue (99%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 234, 252 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 231, 234, 252 by changing the saturation by 10% instead.

■ 231, 234, 252

255, 255, 255

■ 231, 234, 252

■ 203, 206, 223

■ 175, 178, 195

■ 149, 152, 168

■ 123, 126, 142

■ 98, 101, 116

■ 74, 77, 92

■ 51, 54, 68

■ 30, 33, 46

■ 7, 10, 25

■ 231, 234, 252

■ 231, 234, 252

■ 206, 212, 252

252, 255, 252

■ 181, 191, 252

■ 155, 169, 252

■ 130, 147, 252

■ 105, 126, 252

■ 80, 104, 252

■ 55, 83, 252

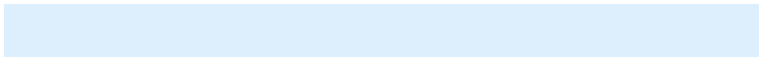
■ 29, 61, 252

■ 4, 39, 252

Harmonies

Analogous

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



221, 232, 252



231, 234, 252



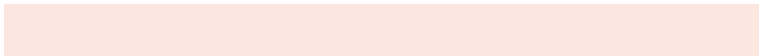
242, 232, 248

Triad

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



231, 234, 252



253, 232, 223



219, 233, 240

Complementary

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



231, 234, 252



236, 252, 231

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.



222, 238, 232



231, 234, 252



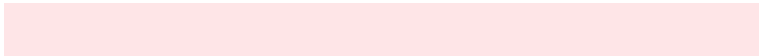
247, 247, 219

Square

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



231, 234, 252



254, 229, 231



220, 238, 218



214, 227, 240

Rectangle

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



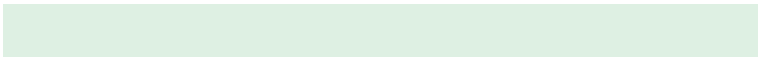
231, 234, 252



248, 230, 243



220, 238, 218



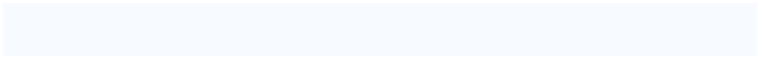
222, 236, 240

Sweetspot

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



231, 234, 252



247, 249, 255



231, 242, 252



122, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 234, 252



230, 233, 255



238, 231, 252



112, 114, 125



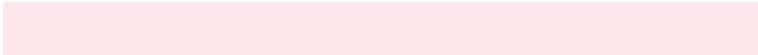
0, 27, 189



0, 9, 61

Inverse Universe

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



252, 231, 235



255, 230, 234



231, 252, 238



125, 112, 115



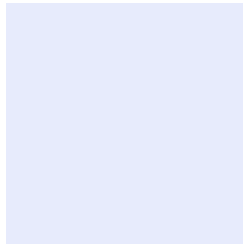
189, 0, 31



61, 0, 10

Previews

White Background



This preview shows how the RYB color 231, 234, 252 looks on a white background.

Color Contrast Check

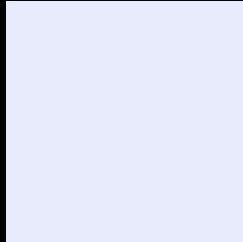
Large Text (above 18pt) WCAG AA × Fail

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 231, 234, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

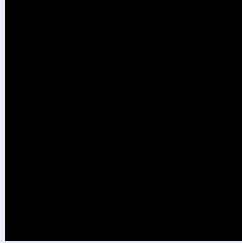
Any Text WCAG AA ✓ Pass

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 231, 234, 252 Background



This preview shows how black text looks on a background with the RYB color 231, 234, 252.



This preview shows how white text looks on a background with the RYB color 231, 234, 252.

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
231, 234, 252

Protanopia
234, 234, 251

Deuteranopia
249, 228, 253



Tritanopia

231, 234, 253

Trichromacy



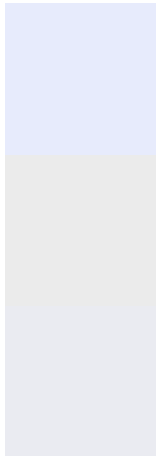
Original Color
231, 234, 252

Protanomaly
233, 234, 251

Deuteranomaly
242, 230, 253

Tritanomaly
231, 234, 253

Monochromacy



Original Color
231, 234, 252

Achromatopsia
235, 235, 235

Achromatomaly
234, 235, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 234, 252 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, 235, 252) looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 252)  
}
```

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, 235, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 252) }
```

Border

The CSS property to change the border of an element to RYB 231, 234, 252 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, 235, 252) }
```

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

```
.border{ border-color:rgb(231, 235, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 235, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 252);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 231, 234, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 252) }
```

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

```
.background{ background-color: rgb(231,  
235, 252) }
```

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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