

Converting Colors

`RYB(231, 230, 248)`

Have a look what the booklet for RYB(231, 230, 248) contains.

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Color

`RYB(231, 230, 248)`

Conversions

Conversions Part 1

Format	Color
Hex	E7E6F8
RGB	231, 230, 248
RGB Percent	91%, 90%, 97%
CMY	0.0941, 0.0980, 0.0275
CMYK	0.07, 0.07, 0.00, 0.03
HSL	243°, 56%, 94%
HSV	243°, 7%, 97%
XYZ	78.1951, 80.3599, 100.1966
YIQ	232.3510, -5.1820, 5.8100

Conversions

Conversions Part 2

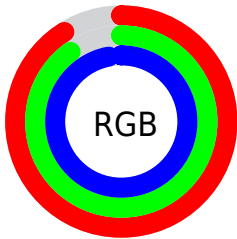
Format	Color
R_{YB}	231, 230, 248
Decimal	15197944
CIE _{Lab}	91.85, 3.65, -8.59
CIE _{LCh}	92, 9.337, 293.040
Yxy	80.3599, 0.3022, 0.3106
Android (android.graphics.Color)	4293388024 (0xFFE7E6F8)
YUV	232.3510, 7.7150, -1.1848
Hunter-Lab	89.6437, -1.1730, -3.5191

Details

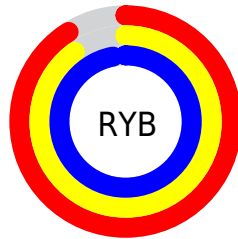
The RYB color **231, 230, 248** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **230, 248, 231**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 175, 192** is the 20% darker color. If you saturate the color by 10%, you get **208, 205, 248**, and if you desaturate by 10%, it is 248, 255, 249.

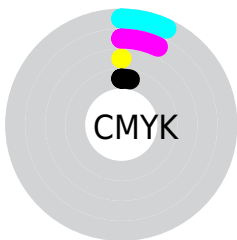
Distribution



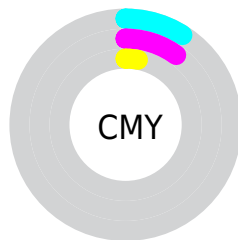
- Red (91%)
- Green (90%)
- Blue (97%)



- Red (91%)
- Yellow (90%)
- Blue (97%)



- Cyan (7%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 230, 248 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, 230, 248 by changing the saturation by 10% instead.

■ 231, 230, 248

255, 255, 255

■ 231, 230, 248

■ 203, 202, 219

■ 175, 175, 192

■ 149, 148, 165

■ 123, 122, 138

■ 98, 97, 113

■ 74, 74, 88

■ 51, 51, 65

■ 30, 30, 43

■ 6, 5, 23

231, 230, 248

231, 230, 248

208, 205, 248

248, 255, 249

184, 180, 248

248, 255, 248

161, 156, 248

137, 131, 248

114, 106, 248

90, 81, 248

67, 56, 248

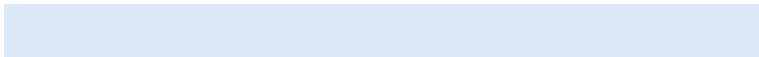
44, 32, 248

20, 7, 248

Harmonies

Analogous

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



220, 229, 249



231, 230, 248



242, 227, 242

Triad

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



231, 230, 248



249, 233, 218



213, 227, 237

Complementary

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



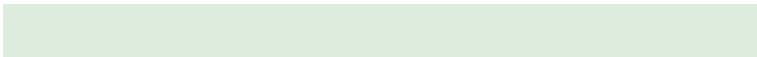
231, 230, 248



230, 248, 231

Split Complementary

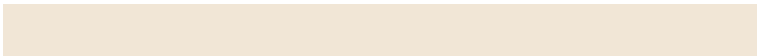
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221, 236, 236



231, 230, 248



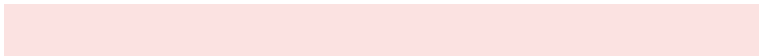
233, 241, 214

Square

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



231, 230, 248



251, 226, 225



215, 233, 216



210, 224, 238

Rectangle

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



231, 230, 248



247, 226, 237



215, 233, 216



215, 230, 237

Sweetspot

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



231, 230, 248



250, 250, 255



230, 239, 248



125, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 230, 248



233, 232, 255



240, 230, 248



113, 112, 125



10, 0, 189



3, 0, 61

Inverse Universe

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



248, 230, 247



255, 232, 254



230, 248, 240



125, 112, 124



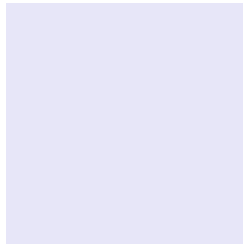
189, 0, 178



61, 0, 58

Previews

White Background



This preview shows how the RYB color 231, 230, 248 looks on a white background.

Color Contrast Check

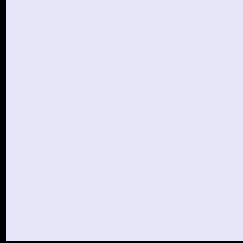
Large Text (above 18pt) WCAG AA × Fail

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, 230, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

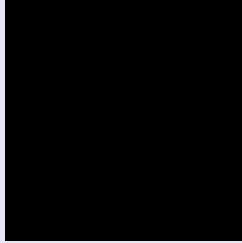
Any Text WCAG AA ✓ Pass

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, 230, 248 Background



This preview shows how black text looks on a background with the RYB color 231, 230, 248.



This preview shows how white text looks on a background with the RYB color 231, 230, 248.

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, 230, 248

Protanopia
231, 230, 248

Deuteranopia
246, 225, 249



Tritanopia

231, 230, 248

Trichromacy



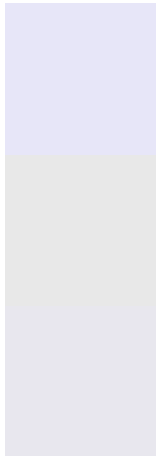
Original Color
231, 230, 248

Protanomaly
231, 230, 248

Deuteranomaly
241, 227, 249

Tritanomaly
231, 230, 248

Monochromacy



Original Color
231, 230, 248

Achromatopsia
232, 232, 232

Achromatomaly
232, 231, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 230, 248 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, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(231, 230, 248)  
}
```

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, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 230, 248) }
```

Border

The CSS property to change the border of an element to RYB 231, 230, 248 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, 230, 248) }
```

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

```
.border{ border-color:rgb(231, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 230, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 230, 248); box-shadow:4px 4px 4px 4px rgb(231, 230, 248) }
```

Background

The CSS property to change the background color of an element to RYB 231, 230, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 230, 248) }
```

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

```
.background{ background-color: rgb(231,  
230, 248) }
```

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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