

Converting Colors

`RYB(231, 226, 248)`

Have a look what the booklet for RYB(231, 226, 248) contains.

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Color

R_YB(231, 226, 248)

Conversions

Conversions Part 1

Format	Color
Hex	E7E2F8
RGB	231, 226, 248
RGB Percent	91%, 89%, 97%
CMY	0.0941, 0.1137, 0.0275
CMYK	0.07, 0.09, 0.00, 0.03
HSL	254°, 61%, 93%
HSV	254°, 9%, 97%
XYZ	77.0946, 78.1589, 99.8298
YIQ	230.0030, -4.0820, 7.9020

Conversions

Conversions Part 2

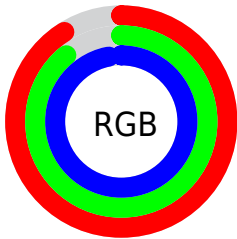
Format	Color
R _Y B	231, 226, 248
Decimal	15196920
CIE Lab	90.85, 5.73, -10.07
CIE LCh	91, 11.584, 299.643
Yxy	78.1589, 0.3022, 0.3064
Android (android.graphics.Color)	4293387000 (0xFFE7E2F8)
YUV	230.0030, 8.8725, 0.8744
Hunter-Lab	88.4075, 0.9453, -5.0650

Details

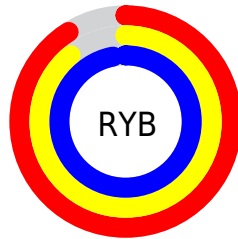
The RYB color **231, 226, 248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **226, 248, 231**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 171, 192** is the 20% darker color. If you saturate the color by 10%, you get **212, 201, 248**, and if you desaturate by 10%, it is **248, 251, 249**.

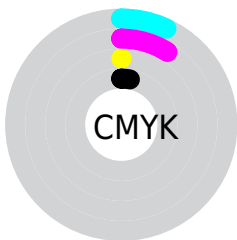
Distribution



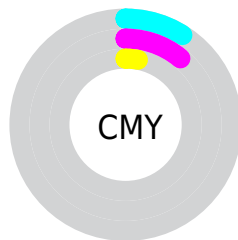
- Red (91%)
- Green (89%)
- Blue (97%)



- Red (91%)
- Yellow (89%)
- Blue (97%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 226, 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, 226, 248 by changing the saturation by 10% instead.

■ 231, 226, 248

255, 255, 255

■ 231, 226, 248

■ 203, 198, 219

■ 175, 171, 192

■ 149, 144, 165

■ 123, 119, 138

■ 98, 94, 113

■ 74, 70, 88

■ 51, 48, 65

■ 30, 27, 43

■ 6, 0, 23

231, 226, 248

231, 226, 248

212, 201, 248

248, 251, 249

193, 176, 248

248, 255, 248

174, 152, 248

154, 127, 248

135, 102, 248

116, 77, 248

97, 52, 248

78, 28, 248

59, 3, 248

Harmonies

Analogous

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



217, 226, 251



231, 226, 248



243, 223, 240

Triad

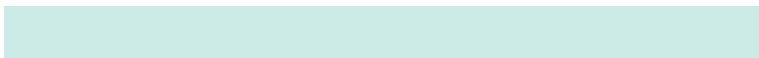
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231, 226, 248



248, 232, 210



204, 221, 235

Complementary

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



231, 226, 248



226, 248, 231

Split Complementary

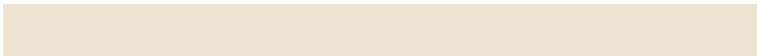
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



213, 231, 234



231, 226, 248



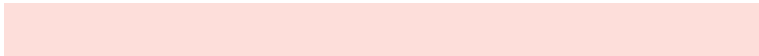
222, 238, 207

Square

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



231, 226, 248



253, 223, 218



209, 231, 214



201, 219, 239

Rectangle

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



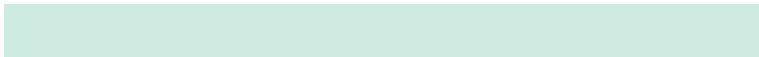
231, 226, 248



249, 222, 233



209, 231, 214



207, 224, 235

Sweetspot

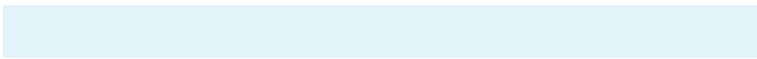
The Sweet Spot groups the original color and five complimentary colors.



231, 226, 248



249, 247, 255



226, 236, 248



124, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 226, 248



233, 227, 255



242, 226, 248



115, 112, 125



43, 0, 189



14, 0, 61

Inverse Universe

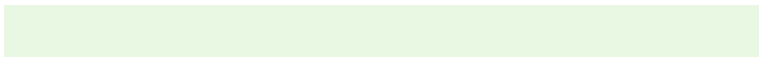
The Inverse Universe completely reimagines the original color for something new.



248, 226, 243



255, 227, 249



226, 248, 242



125, 112, 122



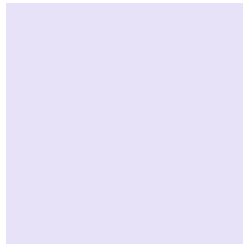
189, 0, 146



61, 0, 47

Previews

White Background



This preview shows how the RYB color 231, 226, 248 looks on a white background.

Color Contrast Check

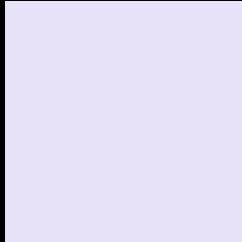
Large Text (above 18pt) WCAG AA × Fail

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, 226, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

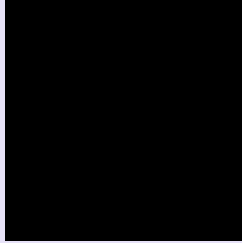
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

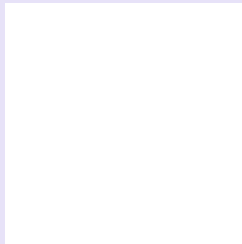
Any Text WCAG AAA ✓ Pass

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

RYB 231, 226, 248 Background



This preview shows how black text looks on a background with the RYB color 231, 226, 248.



This preview shows how white text looks on a background with the RYB color 231, 226, 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, 226, 248

Protanopia
227, 227, 249

Deuteranopia
242, 222, 249



Tritanopia

230, 227, 244

Trichromacy



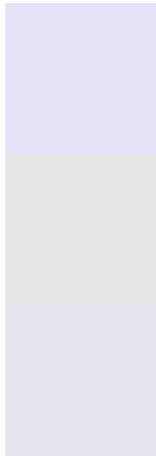
Original Color
231, 226, 248

Protanomaly
228, 227, 249

Deuteranomaly
238, 223, 249

Tritanomaly
230, 227, 245

Monochromacy



Original Color
231, 226, 248

Achromatopsia
230, 230, 230

Achromatomaly
230, 229, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 226, 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, 226, 248) looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 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, 226, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 248) }
```

Border

The CSS property to change the border of an element to RYB 231, 226, 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, 226, 248) }
```

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

```
.border{ border-color:rgb(231, 226, 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, 226, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 248);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 231, 226, 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, 226, 248) }
```

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

```
.background{ background-color: rgb(231,  
226, 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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