

Converting Colors

`RYB(231, 218, 240)`

Have a look what the booklet for
RYB(231, 218, 240) contains.

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Color

R_YB(231, 218, 240)

Conversions

Conversions Part 1

Format	Color
Hex	E7DAF0
RGB	231, 218, 240
RGB Percent	91%, 85%, 94%
CMY	0.0941, 0.1451, 0.0588
CMYK	0.04, 0.09, 0.00, 0.06
HSL	275°, 42%, 90%
HSV	275°, 9%, 94%
XYZ	73.7546, 73.4230, 92.7228
YIQ	224.3950, 0.6860, 9.5980

Conversions

Conversions Part 2

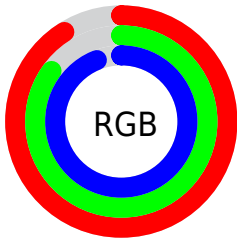
Format	Color
R _Y B	231, 218, 240
Decimal	15194864
CIE Lab	88.65, 8.39, -9.14
CIE LCh	89, 12.410, 312.554
Yxy	73.4230, 0.3074, 0.3061
Android (android.graphics.Color)	4293384944 (0xFFE7DAF0)
YUV	224.3950, 7.6933, 5.7926
Hunter-Lab	85.6872, 3.6898, -4.1771

Details

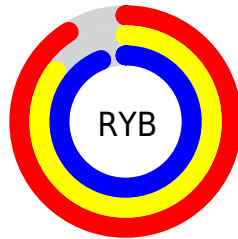
The RYB color **231, 218, 240** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **218, 240, 231**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 163, 184** is the 20% darker color. If you saturate the color by 10%, you get **221, 194, 240**, and if you desaturate by 10%, it is **240, 242, 241**.

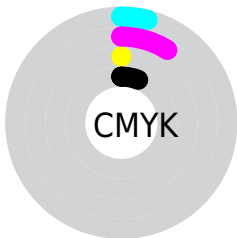
Distribution



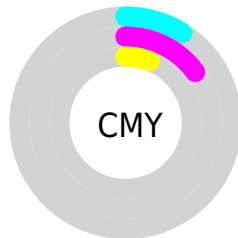
- Red (91%)
- Green (85%)
- Blue (94%)



- Red (91%)
- Yellow (85%)
- Blue (94%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 218, 240 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, 218, 240 by changing the saturation by 10% instead.

■ 231, 218, 240

255, 255, 255

■ 231, 218, 240

■ 203, 190, 212

■ 175, 163, 184

■ 149, 137, 157

■ 123, 111, 131

■ 98, 87, 106

■ 74, 64, 82


■ 51, 42, 59

■ 30, 21, 37


■ 0, 0, 16

 231, 218, 240


 231, 218, 240

 221, 194, 240


 240, 242, 241

 211, 170, 240

 240, 255, 244

 202, 146, 240


 240, 255, 240

 192, 122, 240

 182, 98, 240

 172, 74, 240

 162, 50, 240

 152, 26, 240

 143, 2, 240

Harmonies

Analogous

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



216, 221, 245



231, 218, 240



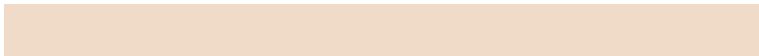
242, 215, 230

Triad

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



231, 218, 240



239, 237, 200



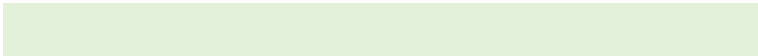
194, 213, 230

Complementary

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



231, 218, 240



218, 240, 231

Split Complementary

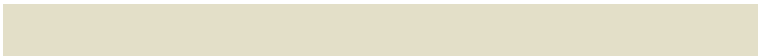
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



201, 220, 229



231, 218, 240



205, 227, 200

Square

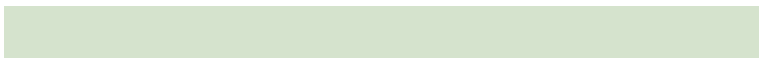
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 218, 240



247, 219, 207



205, 227, 219



194, 213, 238

Rectangle

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



231, 218, 240



247, 215, 222



205, 227, 219



196, 215, 230

Sweetspot

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



231, 218, 240



252, 247, 255



218, 224, 240



125, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 218, 240



244, 227, 255



240, 218, 238



115, 108, 120



108, 0, 184



33, 0, 56

Inverse Universe

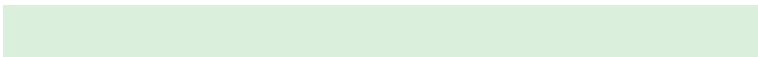
The Inverse Universe completely reimagines the original color for something new.



240, 218, 227



255, 227, 238



218, 238, 240



120, 108, 113



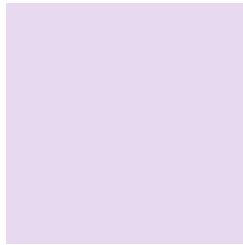
184, 0, 75



56, 0, 23

Previews

White Background



This preview shows how the RYB color 231, 218, 240 looks on a white background.

Color Contrast Check

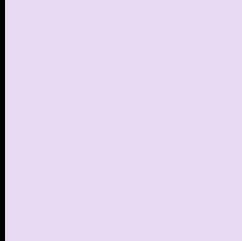
Large Text (above 18pt) WCAG AA × Fail

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, 218, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

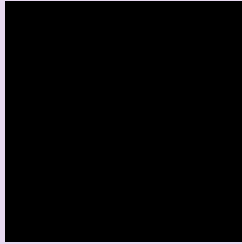
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

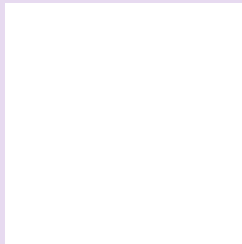
Any Text WCAG AAA ✓ Pass

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

RYB 231, 218, 240 Background



This preview shows how black text looks on a background with the RYB color 231, 218, 240.

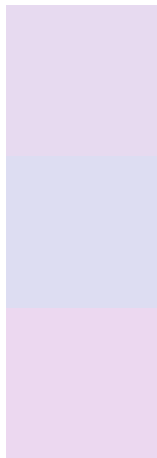


This preview shows how white text looks on a background with the RYB color 231, 218, 240.

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](#).

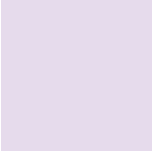
Dichromacy



Original Color
231, 218, 240

Protanopia
221, 221, 242

Deuteranopia
236, 216, 240



Tritanopia

230, 219, 236

Trichromacy



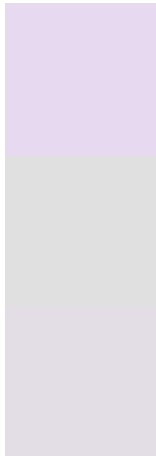
Original Color
231, 218, 240

Protanomaly
225, 220, 241

Deuteranomaly
234, 217, 240

Tritanomaly
230, 219, 237

Monochromacy



Original Color
231, 218, 240

Achromatopsia
224, 224, 224

Achromatomaly
227, 222, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 218, 240 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, 218, 240) looks like.

```
.text, #text, p{  
    color:rgb(231, 218, 240)  
}
```

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, 218, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 218, 240) }
```

Border

The CSS property to change the border of an element to RYB 231, 218, 240 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, 218, 240) }
```

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

```
.border{ border-color:rgb(231, 218, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 218, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 218, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 218, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 218,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 231, 218, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 218, 240) }
```

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

```
.background{ background-color: rgb(231,  
218, 240) }
```

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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