

Converting Colors

`RYB(233, 230, 244)`

Have a look what the booklet for RYB(233, 230, 244) contains.

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Color

R_YB(233, 230, 244)

Conversions

Conversions Part 1

Format	Color
Hex	E9E6F4
RGB	233, 230, 244
RGB Percent	91%, 90%, 96%
CMY	0.0863, 0.0980, 0.0431
CMYK	0.05, 0.06, 0.00, 0.04
HSL	253°, 39%, 93%
HSV	253°, 6%, 96%
XYZ	78.2302, 80.4489, 96.9930
YIQ	232.4930, -2.7060, 4.9900

Conversions

Conversions Part 2

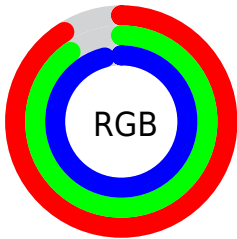
Format	Color
R _{YB}	233, 230, 244
Decimal	15329012
CIE Lab	91.89, 3.55, -6.43
CIE LCh	92, 7.344, 298.931
Yxy	80.4489, 0.3060, 0.3147
Android (android.graphics.Color)	4293519092 (0xFFE9E6F4)
YUV	232.4930, 5.6730, 0.4446
Hunter-Lab	89.6933, -1.2762, -1.3300

Details

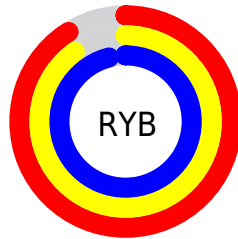
The RYB color **233, 230, 244** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **230, 244, 233**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is 255, 255, 255, and **177, 175, 188** is the 20% darker color. If you saturate the color by 10%, you get **214, 206, 244**, and if you desaturate by 10%, it is 244, 254, 246.

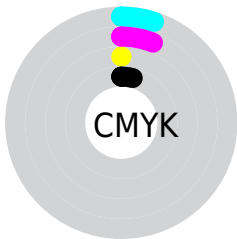
Distribution



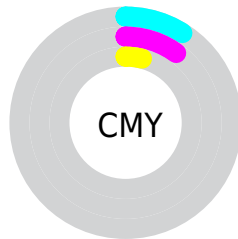
- Red (91%)
- Green (90%)
- Blue (96%)



- Red (91%)
- Yellow (90%)
- Blue (96%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 230, 244 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 233, 230, 244 by changing the saturation by 10% instead.

■ 233, 230, 244

255, 255, 255

■ 233, 230, 244

■ 205, 202, 216

■ 177, 175, 188

■ 151, 148, 161

■ 125, 122, 135

■ 100, 97, 109

■ 76, 74, 85

■ 53, 51, 62

■ 32, 30, 40

■ 9, 5, 20

233, 230, 244

233, 230, 244

214, 206, 244

244, 254, 246

195, 181, 244

244, 255, 244

175, 157, 244

156, 132, 244

137, 108, 244

118, 84, 244

99, 59, 244

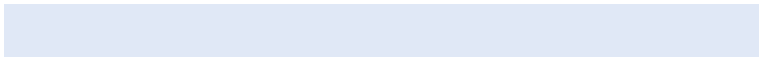
80, 35, 244

60, 10, 244

Harmonies

Analogous

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



224, 230, 246



233, 230, 244



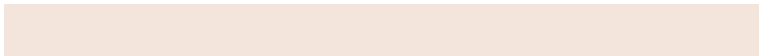
241, 228, 239

Triad

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



233, 230, 244



244, 234, 220



216, 227, 236

Complementary

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



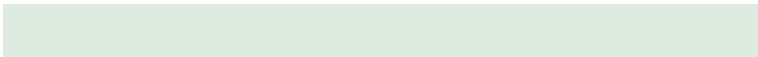
233, 230, 244



230, 244, 233

Split Complementary

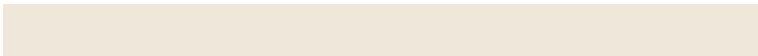
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



222, 233, 235



233, 230, 244



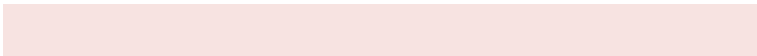
229, 238, 218

Square

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



233, 230, 244



247, 227, 225



219, 233, 222



215, 226, 238

Rectangle

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



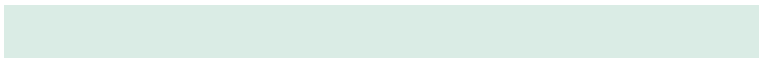
233, 230, 244



245, 227, 235



219, 233, 222



218, 229, 236

Sweetspot

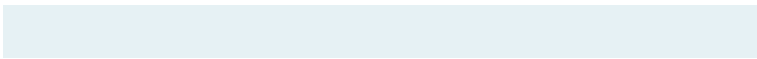
The Sweet Spot groups the original color and five complimentary colors.



233, 230, 244



251, 250, 255



230, 236, 244



125, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 230, 244



241, 237, 255



240, 230, 244



115, 113, 122



40, 0, 186



13, 0, 59

Inverse Universe

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



244, 230, 241



255, 237, 251



230, 244, 240



122, 113, 120



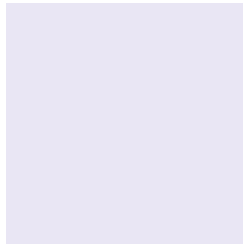
186, 0, 146



59, 0, 46

Previews

White Background



This preview shows how the RYB color 233, 230, 244 looks on a white background.

Color Contrast Check

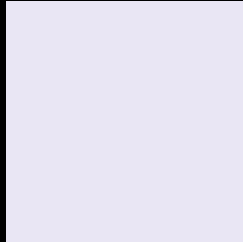
Large Text (above 18pt) WCAG AA × Fail

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 233, 230, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

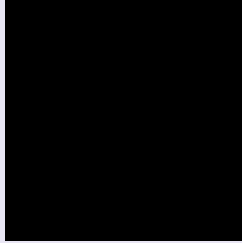
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

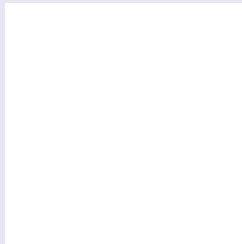
Any Text WCAG AAA ✓ Pass

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

RYB 233, 230, 244 Background



This preview shows how black text looks on a background with the RYB color 233, 230, 244.

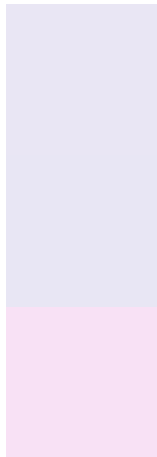


This preview shows how white text looks on a background with the RYB color 233, 230, 244.

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
233, 230, 244

Protanopia
232, 230, 244

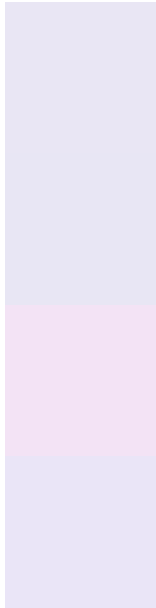
Deuteranopia
248, 225, 245



Tritanopia

234, 229, 248

Trichromacy



Original Color

233, 230, 244

Protanomaly

232, 230, 244

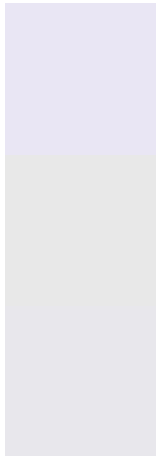
Deuteranomaly

243, 227, 245

Tritanomaly

234, 229, 247

Monochromacy



Original Color

233, 230, 244

Achromatopsia

232, 232, 232

Achromatomaly

232, 231, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 230, 244 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(233, 230, 244) looks like.

```
.text, #text, p{  
    color:rgb(233, 230, 244)  
}
```

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(233, 230, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 230, 244) }
```

Border

The CSS property to change the border of an element to RYB 233, 230, 244 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(233, 230, 244) }
```

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

```
.border{ border-color:rgb(233, 230, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 230, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 230, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 230, 244);  
box-shadow:4px 4px 4px 4px rgb(233, 230,  
244) }
```

Background

The CSS property to change the background color of an element to RGB 233, 230, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 230, 244) }
```

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

```
.background{ background-color: rgb(233,  
230, 244) }
```

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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