

Converting Colors

`RYB(234, 230, 248)`

Have a look what the booklet for
RYB(234, 230, 248) contains.

RYB(234, 230, 248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(234, 230, 248)

Conversions

Conversions Part 1

Format	Color
Hex	EAE6F8
RGB	234, 230, 248
RGB Percent	92%, 90%, 97%
CMY	0.0824, 0.0980, 0.0275
CMYK	0.06, 0.07, 0.00, 0.03
HSL	253°, 56%, 94%
HSV	253°, 7%, 97%
XYZ	79.1718, 80.8634, 100.2423
YIQ	233.2480, -3.3940, 6.4460

Conversions

Conversions Part 2

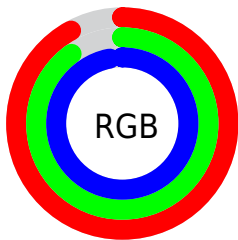
Format	Color
R_{YB}	234, 230, 248
Decimal	15394552
CIE _{Lab}	92.07, 4.63, -8.23
CIE _{LCh}	92, 9.445, 299.338
Yxy	80.8634, 0.3042, 0.3107
Android (android.graphics.Color)	4293584632 (0xFFEAE6F8)
YUV	233.2480, 7.2727, 0.6595
Hunter-Lab	89.9241, -0.2105, -3.1463

Details

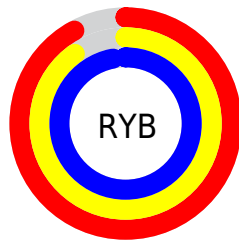
The RYB color **234, 230, 248** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **230, 248, 234**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **178, 175, 192** is the 20% darker color. If you saturate the color by 10%, you get **215, 205, 248**, and if you desaturate by 10%, it is 248, 255, 250.

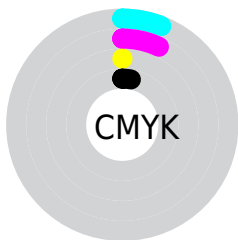
Distribution



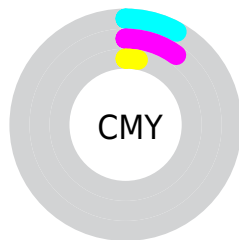
- Red (92%)
- Green (90%)
- Blue (97%)



- Red (92%)
- Yellow (90%)
- Blue (97%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (8%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 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 234, 230, 248 by changing the saturation by 10% instead.

■ 234, 230, 248

255, 255, 255

■ 234, 230, 248

■ 206, 202, 219

■ 178, 175, 192

■ 152, 148, 165

■ 126, 122, 138

■ 101, 97, 113

■ 77, 74, 88

■ 54, 51, 65

■ 32, 30, 43

■ 10, 5, 23

234, 230, 248

234, 230, 248

215, 205, 248

248, 255, 250

195, 180, 248

248, 255, 248

176, 156, 248

157, 131, 248

138, 106, 248

118, 81, 248

99, 56, 248

80, 32, 248

60, 7, 248

Harmonies

Analogous

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



223, 230, 250



234, 230, 248



244, 227, 242

Triad

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



234, 230, 248



248, 237, 217



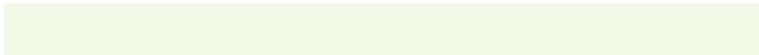
212, 227, 238

Complementary

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



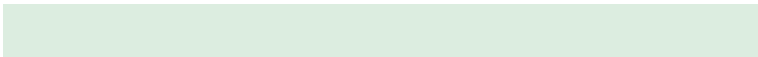
234, 230, 248



230, 248, 234

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.



220, 234, 237



234, 230, 248



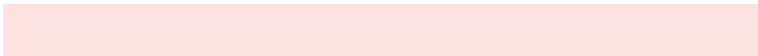
228, 240, 214

Square

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



234, 230, 248



252, 227, 224



216, 234, 220



210, 224, 241

Rectangle

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



234, 230, 248



249, 226, 236



216, 234, 220



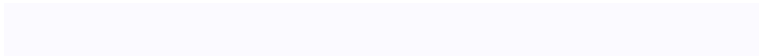
214, 229, 238

Sweetspot

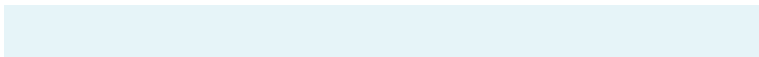
The Sweet Spot groups the original color and five complimentary colors.



234, 230, 248



251, 250, 255



230, 238, 248



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 230, 248



237, 232, 255



243, 230, 248



115, 112, 125



42, 0, 189



14, 0, 61

Inverse Universe

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



248, 230, 244



255, 232, 250



230, 248, 243



125, 112, 122



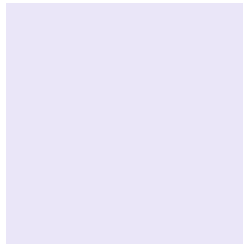
189, 0, 147



61, 0, 48

Previews

White Background



This preview shows how the RYB color 234, 230, 248 looks on a white background.

Color Contrast Check

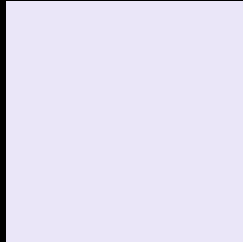
Large Text (above 18pt) WCAG AA × Fail

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 234, 230, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

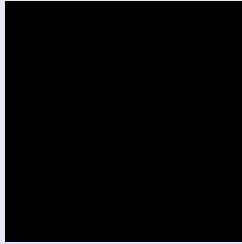
Any Text WCAG AA ✓ Pass

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](#).

RYP 234, 230, 248 Background



This preview shows how black text looks on a background with the RYP color 234, 230, 248.



This preview shows how white text looks on a background with the RYP color 234, 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
234, 230, 248

Protanopia
232, 231, 248

Deuteranopia
247, 226, 249



Tritanopia

234, 230, 248

Trichromacy



Original Color

234, 230, 248

Protanomaly

233, 231, 248

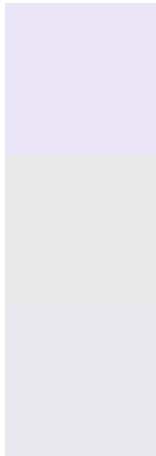
Deuteranomaly

242, 227, 249

Tritanomaly

234, 230, 248

Monochromacy



Original Color

234, 230, 248

Achromatopsia

233, 233, 233

Achromatomaly

233, 232, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 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(234, 230, 248) looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 248) }
```

Border

The CSS property to change the border of an element to RYB 234, 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(234, 230, 248) }
```

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

```
.border{ border-color:rgb(234, 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(234, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 234, 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(234, 230, 248) }
```

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

```
.background{ background-color: rgb(234,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor