

Converting Colors

`RYB(240, 230, 240)`

Have a look what the booklet for
RYB(240, 230, 240) contains.

RYB(240, 230, 240)	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(240, 230, 240)

Conversions

Conversions Part 1

Format	Color
Hex	F0E6F0
RGB	240, 230, 240
RGB Percent	94%, 90%, 94%
CMY	0.0588, 0.0980, 0.0588
CMYK	0.00, 0.04, 0.00, 0.06
HSL	300°, 25%, 92%
HSV	300°, 4%, 94%
XYZ	79.9602, 81.4102, 93.9375
YIQ	234.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

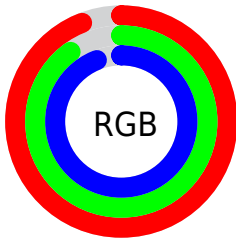
Format	Color
R _Y B	240, 230, 240
Decimal	15787760
CIE Lab	92.31, 5.14, -3.65
CIE LCh	92, 6.300, 324.624
Yxy	81.4102, 0.3132, 0.3189
Android (android.graphics.Color)	4293977840 (0xFF0E6F0)
YUV	234.1300, 2.8939, 5.1480
Hunter-Lab	90.2276, 0.2894, 1.4315

Details

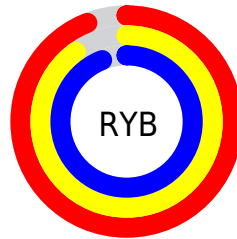
The RYB color `240, 230, 240` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `230, 240, 240`, and the grayscale version is `234, 234, 234`.

A 20% lighter version of the original color is `255, 255, 255`, and `184, 175, 184` is the 20% darker color. If you saturate the color by 10%, you get `240, 206, 240`, and if you desaturate by 10%, it is `240, 254, 254`.

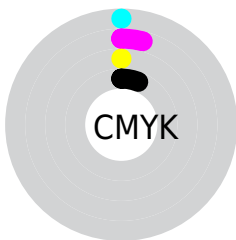
Distribution



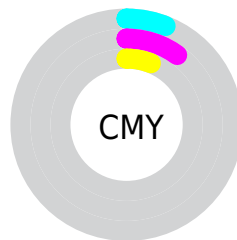
- Red (94%)
- Green (90%)
- Blue (94%)



- Red (94%)
- Yellow (90%)
- Blue (94%)



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



- Cyan (6%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 230, 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 240, 230, 240 by changing the saturation by 10% instead.

■ 240, 230, 240

255, 255, 255

■ 240, 230, 240

■ 212, 202, 212

■ 184, 175, 184

■ 157, 148, 157

■ 131, 122, 131

■ 106, 97, 106

■ 82, 74, 82

■ 59, 51, 59

■ 37, 30, 37


■ 16, 5, 16

 240, 230, 240


 240, 230, 240


 240, 206, 240


 240, 254, 254


 240, 182, 240


 240, 255, 255


 240, 158, 240


 240, 134, 240

 240, 110, 240

 240, 86, 240

 240, 62, 240

 240, 38, 240

 240, 14, 240

Harmonies

Analogous

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



233, 232, 244



240, 230, 240



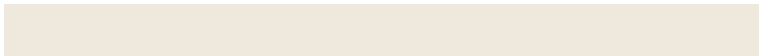
245, 229, 234

Triad

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



240, 230, 240



232, 239, 221



218, 228, 238

Complementary

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



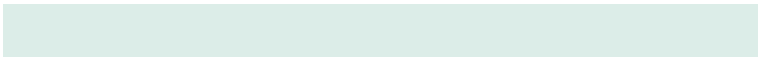
240, 230, 240



230, 240, 240

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, 230, 237



240, 230, 240



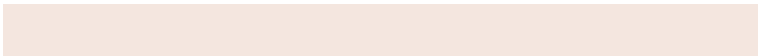
222, 234, 223

Square

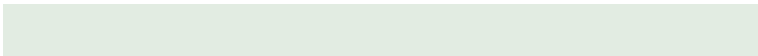
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



240, 230, 240



244, 234, 223



226, 236, 236



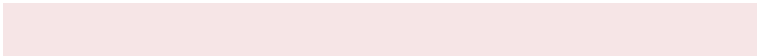
220, 229, 243

Rectangle

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



240, 230, 240



246, 229, 230



226, 236, 236



219, 228, 237

Sweetspot

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



240, 230, 240



255, 252, 255



230, 230, 240



128, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



240, 230, 240



255, 242, 255



240, 230, 235



120, 113, 120



184, 0, 184



56, 0, 56

Inverse Universe

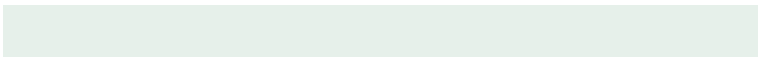
The Inverse Universe completely reimagines the original color for something new.



240, 230, 240



255, 242, 255



230, 237, 240



120, 113, 120



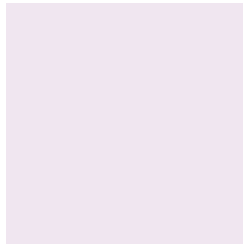
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 240, 230, 240 looks on a white background.

Color Contrast Check

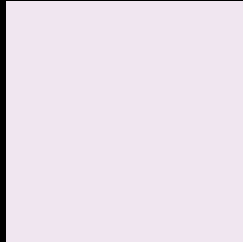
Large Text (above 18pt) WCAG AA × Fail

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 240, 230, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

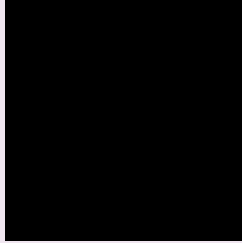
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

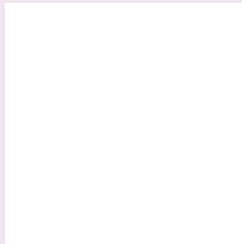
Any Text WCAG AAA ✓ Pass

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

RYB 240, 230, 240 Background



This preview shows how black text looks on a background with the RYB color 240, 230, 240.

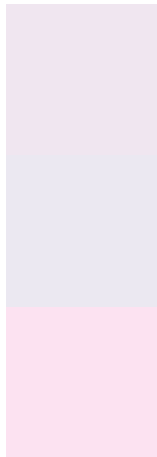


This preview shows how white text looks on a background with the RYB color 240, 230, 240.

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
240, 230, 240

Protanopia
235, 232, 241

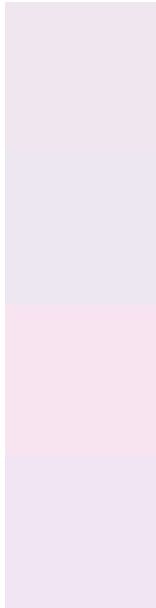
Deuteranopia
252, 226, 241



Tritanopia

241, 229, 247

Trichromacy



Original Color

240, 230, 240

Protanomaly

237, 231, 241

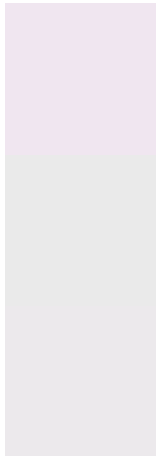
Deuteranomaly

248, 227, 241

Tritanomaly

241, 229, 244

Monochromacy



Original Color

240, 230, 240

Achromatopsia

234, 234, 234

Achromatomaly

236, 233, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 230, 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(240, 230, 240) looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 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(240, 230, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 240) }
```

Border

The CSS property to change the border of an element to RYB 240, 230, 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(240, 230, 240) }
```

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

```
.border{ border-color:rgb(240, 230, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 230, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 240, 230, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 240) }
```

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

```
.background{ background-color: rgb(240,  
230, 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](#).

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