

Converting Colors

`RYB(242, 247, 234)`

Have a look what the booklet for RYB(242, 247, 234) contains.

RYB(242, 247, 234)	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(242, 247, 234)

Conversions

Conversions Part 1

Format	Color
Hex	F7F2EA
RGB	247, 242, 234
RGB Percent	97%, 95%, 92%
CMY	0.0314, 0.0508, 0.0824
CMYK	0.00, 0.02, 0.05, 0.03
HSL	37°, 45%, 94%
HSV	37°, 5%, 97%
XYZ	84.9754, 89.2473, 90.5897
YIQ	242.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

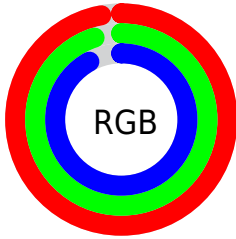
Format	Color
R _Y B	242, 247, 234
Decimal	16249578
CIE Lab	95.68, 0.28, 4.45
CIE LCh	96, 4.461, 86.392
Yxy	89.2473, 0.3209, 0.3370
Android (android.graphics.Color)	4294439658 (0xFFFF7F2EA)
YUV	242.5830, -4.2314, 3.8737
Hunter-Lab	94.4708, -4.7652, 9.2753

Details

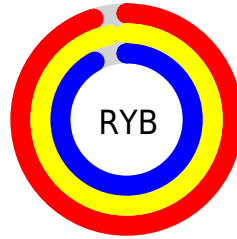
The RYB color **242, 247, 234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 238, 247**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is 255, 255, 255, and **186, 191, 178** is the 20% darker color. If you saturate the color by 10%, you get **231, 247, 209**, and if you desaturate by 10%, it is 247, 250, 255.

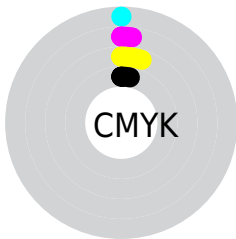
Distribution



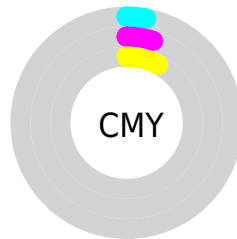
- Red (97%)
- Green (95%)
- Blue (92%)



- Red (95%)
- Yellow (97%)
- Blue (92%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 247, 234 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 242, 247, 234 by changing the saturation by 10% instead.


 242, 247, 234

255, 255, 255

 242, 247, 234


 212, 218, 206


 186, 191, 178

 161, 164, 152

 132, 137, 126

 107, 112, 101

 81, 87, 77

 61, 64, 54

 38, 42, 33

 16, 22, 10

242, 247, 234

242, 247, 234

231, 247, 209

247, 250, 255

224, 247, 185

247, 251, 255

213, 247, 160

205, 247, 135

194, 247, 110

184, 247, 86

176, 247, 61

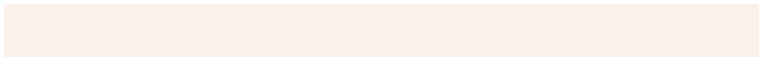
165, 247, 36

158, 247, 12

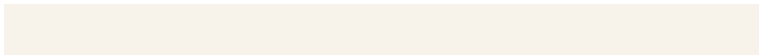
Harmonies

Analogous

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



251, 245, 235



242, 247, 234



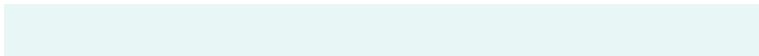
235, 243, 236

Triad

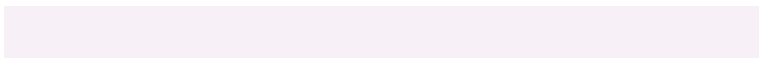
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



242, 247, 234



232, 239, 246



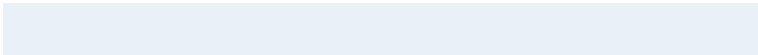
248, 240, 247

Complementary

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



242, 247, 234



234, 238, 247

Split Complementary

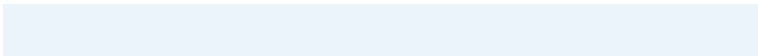
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



243, 242, 250



242, 247, 234



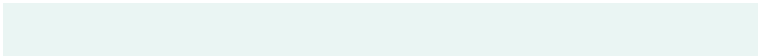
234, 240, 250

Square

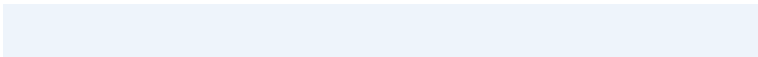
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



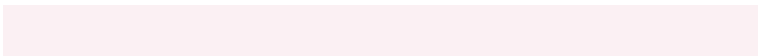
242, 247, 234



234, 240, 245



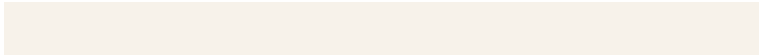
238, 242, 251



251, 240, 243

Rectangle

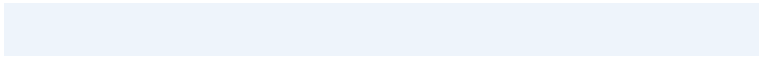
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



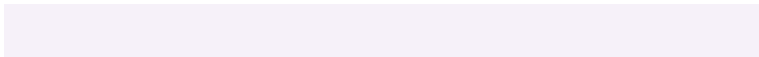
242, 247, 234



237, 244, 242



238, 242, 251



246, 241, 249

Sweetspot

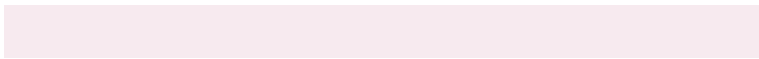
The Sweet Spot groups the original color and five complimentary colors.



242, 247, 234



253, 255, 250



247, 234, 239



127, 128, 125



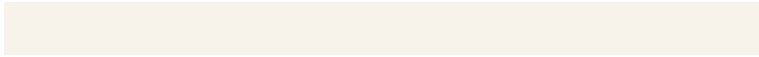
0, 0, 0



128, 128, 128

Same Dimension

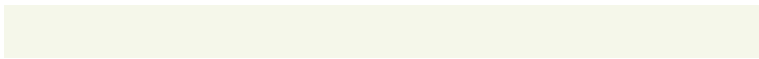
The Same Dimension uses a secret algorithm to generate beautiful new colors.



242, 247, 234



250, 255, 240



234, 247, 236



119, 122, 114



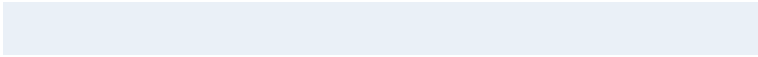
115, 186, 0



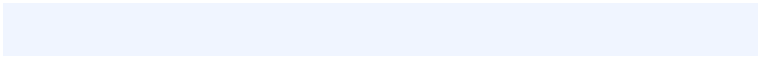
38, 59, 0

Inverse Universe

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



234, 238, 247



240, 244, 255



236, 234, 247



114, 116, 122



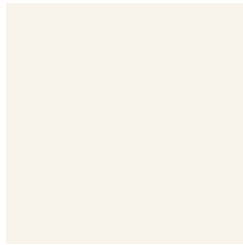
0, 51, 186



0, 16, 59

Previews

White Background



This preview shows how the RYB color 242, 247, 234 looks on a white background.

Color Contrast Check

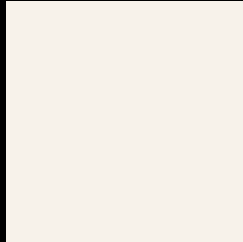
Large Text (above 18pt) WCAG AA × Fail

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 242, 247, 234 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

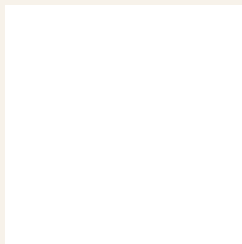
Any Text WCAG AAA ✓ Pass

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

RYB 242, 247, 234 Background



This preview shows how black text looks on a background with the RYB color 242, 247, 234.

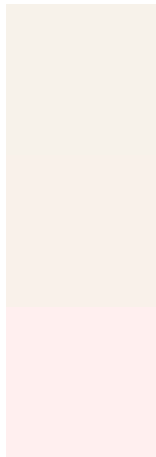


This preview shows how white text looks on a background with the RYB color 242, 247, 234.

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

242, 247, 234

Protanopia

249, 247, 234

Deuteranopia

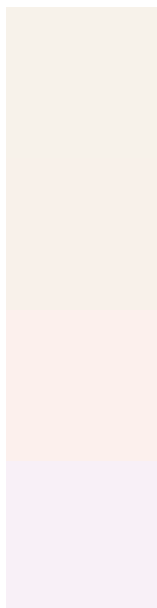
255, 239, 239



Tritanopia

249, 239, 255

Trichromacy



Original Color

242, 247, 234

Protanomaly

248, 248, 234

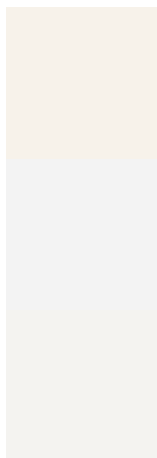
Deuteranomaly

252, 241, 237

Tritanomaly

248, 240, 247

Monochromacy



Original Color

242, 247, 234

Achromatopsia

243, 243, 243

Achromatomaly

241, 244, 240

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 247, 234 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(247, 242, 234) looks like.

```
.text, #text, p{  
    color:rgb(247, 242, 234)  
}
```

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(247, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 234) }
```

Border

The CSS property to change the border of an element to RYB 242, 247, 234 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(247, 242, 234) }
```

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

```
.border{ border-color:rgb(247, 242, 234) }
```

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

Here you see how a box with a 4 pixel rgb(247, 242, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 242, 247, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 242, 234) }
```

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

```
.background{ background-color: rgb(247,  
242, 234) }
```

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