

Converting Colors

`RYB(245, 249, 240)`

Have a look what the booklet for RYB(245, 249, 240) contains.

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Color

R_YB(245, 249, 240)

Conversions

Conversions Part 1

Format	Color
Hex	F9F6F0
RGB	249, 246, 240
RGB Percent	98%, 96%, 94%
CMY	0.0235, 0.0361, 0.0588
CMYK	0.00, 0.01, 0.04, 0.02
HSL	39°, 43%, 96%
HSV	39°, 4%, 98%
XYZ	87.6857, 92.2123, 95.6153
YIQ	246.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

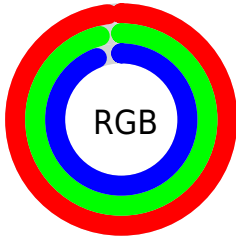
Format	Color
RYB	245, 249, 240
Decimal	16381680
CIELab	96.91, 0.08, 3.15
CIELCh	97, 3.146, 88.627
Yxy	92.2123, 0.3183, 0.3347
Android (android.graphics.Color)	4294571760 (0xFFFF9F6F0)
YUV	246.2130, -3.0630, 2.4442
Hunter-Lab	96.0272, -5.0532, 8.1834

Details

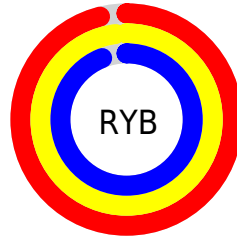
The RYB color **245, 249, 240** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **240, 242, 249**, and the grayscale version is **246, 246, 246**.

A 20% lighter version of the original color is **255, 255, 255**, and **189, 193, 184** is the 20% darker color. If you saturate the color by 10%, you get **234, 249, 215**, and if you desaturate by 10%, it is **249, 252, 255**.

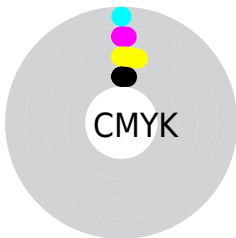
Distribution



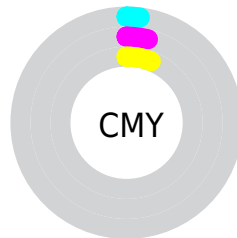
- Red (98%)
- Green (96%)
- Blue (94%)



- Red (96%)
- Yellow (98%)
- Blue (94%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (2%)



- Cyan (2%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 249, 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 245, 249, 240 by changing the saturation by 10% instead.

245, 249, 240

255, 255, 255

245, 249, 240

217, 220, 212

189, 193, 184

160, 165, 157

136, 139, 131

111, 114, 106

85, 89, 82

64, 66, 59

42, 44, 37

19, 23, 16

 245, 249, 240

 245, 249, 240


 234, 249, 215


 249, 252, 255

 223, 249, 190

 212, 249, 165


 201, 249, 140

 191, 249, 116

 180, 249, 91

 167, 249, 66

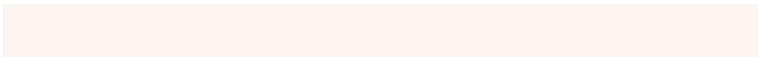
 156, 249, 41

 145, 249, 16

Harmonies

Analogous

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



252, 247, 241



245, 249, 240



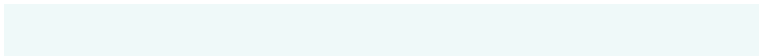
241, 247, 243

Triad

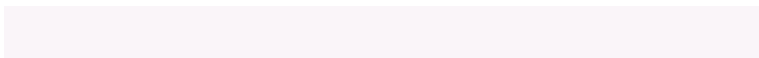
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



245, 249, 240



239, 244, 249



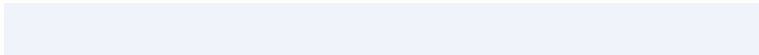
250, 245, 249

Complementary

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



245, 249, 240



240, 242, 249

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.



247, 245, 251



245, 249, 240



240, 244, 251

Square

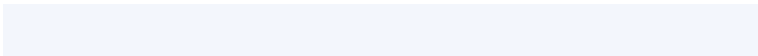
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



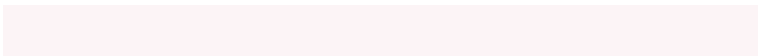
245, 249, 240



240, 245, 248



243, 245, 252



252, 244, 246

Rectangle

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



245, 249, 240



242, 247, 246



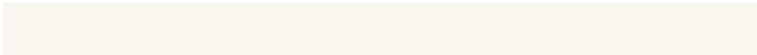
243, 245, 252



249, 245, 250

Sweetspot

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



245, 249, 240



254, 255, 252



249, 240, 243



128, 128, 126



0, 0, 0



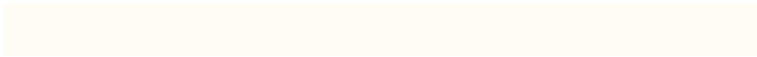
128, 128, 128

Same Dimension

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



245, 249, 240



252, 255, 245



240, 249, 241



122, 125, 119



106, 189, 0



34, 61, 0

Inverse Universe

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



240, 242, 249



245, 247, 255



241, 240, 249



119, 121, 125



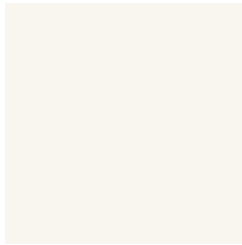
0, 49, 189



0, 16, 61

Previews

White Background



This preview shows how the RYB color 245, 249, 240 looks on a white background.

Color Contrast Check

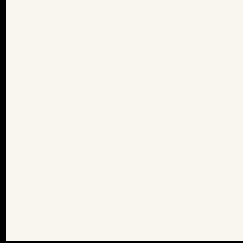
Large Text (above 18pt) WCAG AA × Fail

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 245, 249, 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

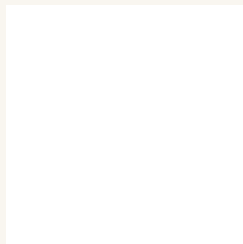
Any Text WCAG AAA ✓ Pass

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

RYB 245, 249, 240 Background



This preview shows how black text looks on a background with the RYB color 245, 249, 240.

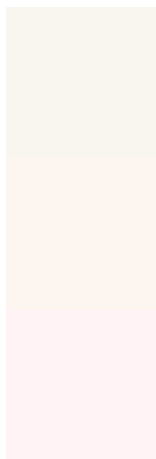


This preview shows how white text looks on a background with the RYB color 245, 249, 240.

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

245, 249, 240

Protanopia

252, 249, 240

Deuteranopia

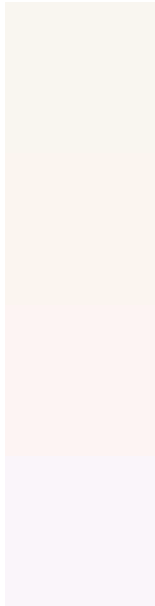
255, 243, 245



Tritanopia

250, 244, 255

Trichromacy



Original Color

245, 249, 240

Protanomaly

251, 249, 240

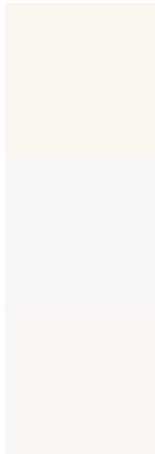
Deuteranomaly

253, 244, 243

Tritanomaly

250, 245, 250

Monochromacy



Original Color

245, 249, 240

Achromatopsia

246, 246, 246

Achromatomaly

246, 247, 244

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 249, 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(249, 246, 240) looks like.

```
.text, #text, p{  
    color:rgb(249, 246, 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(249, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 246, 240) }
```

Border

The CSS property to change the border of an element to RYB 245, 249, 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(249, 246, 240) }
```

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

```
.border{ border-color:rgb(249, 246, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 246, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(249, 246,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 245, 249, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 246, 240) }
```

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

```
.background{ background-color: rgb(249,  
246, 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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