

# Converting Colors

`RYB(246, 244, 244)`

Have a look what the booklet for RYB(246, 244, 244) contains.

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# **Color**

**R<sub>Y</sub>B(246, 244, 244)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6F4F4
RGB	246, 244, 244
RGB Percent	96%, 96%, 96%
CMY	0.0353, 0.0431, 0.0431
CMYK	0.00, 0.01, 0.01, 0.04
HSL	0°, 10%, 96%
HSV	0°, 1%, 96%
XYZ	86.6859, 90.8259, 98.5503
YIQ	244.5980, 1.1920, 0.4240

# Conversions

## Conversions Part 2

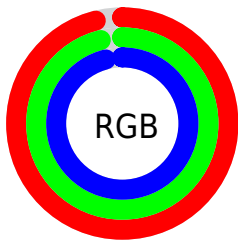
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 244, 244
Decimal	16184564
CIE Lab	96.34, 0.67, 0.22
CIE LCh	96, 0.706, 18.545
Yxy	90.8259, 0.3140, 0.3290
Android (android.graphics.Color)	4294374644 (0xFFFF6F4F4)
YUV	244.5980, -0.2948, 1.2296
Hunter-Lab	95.3026, -4.4185, 5.4014

# Details

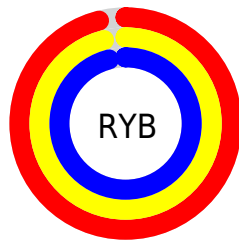
The RYB color **246, 244, 244** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **244, 245, 246**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **190, 188, 188** is the 20% darker color. If you saturate the color by 10%, you get **246, 219, 219**, and if you desaturate by 10%, it is **246, 251, 255**.

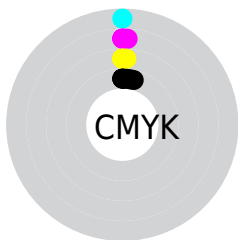
# Distribution



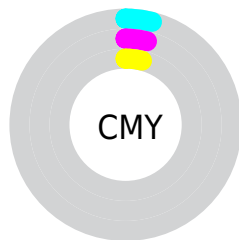
- Red (96%)
- Green (96%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 246, 244, 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 246, 244, 244 by changing the saturation by 10% instead.



246, 244, 244

246, 244, 244

255, 255, 255

218, 216, 216

190, 188, 188

163, 161, 161

136, 135, 135

111, 109, 109

87, 85, 85

64, 62, 62

42, 40, 40

21, 20, 20

 246, 244, 244


 246, 244, 244

 246, 219, 219

 246, 251, 255

 246, 195, 195

 246, 170, 170

 246, 146, 146

 246, 121, 121

 246, 96, 96

 246, 72, 72

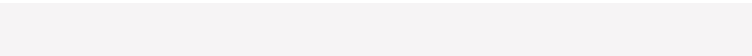
 246, 47, 47

 246, 23, 23

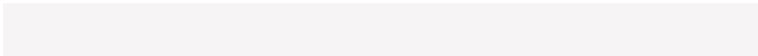
# Harmonies

## Analogous

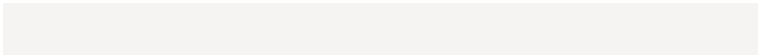
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



246, 244, 245



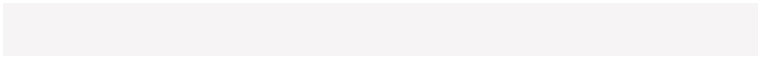
246, 244, 244



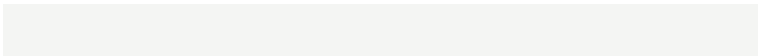
246, 245, 243

# Triad

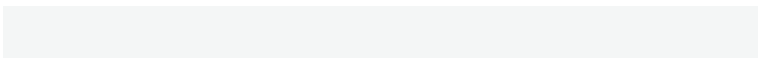
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



246, 244, 244



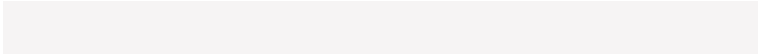
243, 245, 244



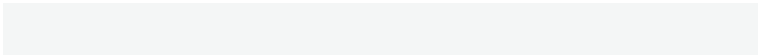
244, 245, 246

# Complementary

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



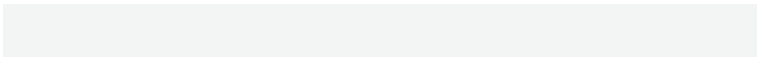
246, 244, 244



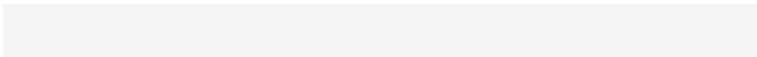
244, 245, 246

# Split Complementary

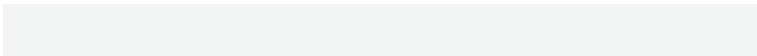
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



243, 244, 245



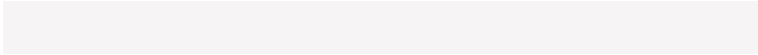
246, 244, 244



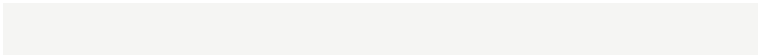
243, 244, 245

# Square

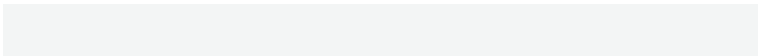
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



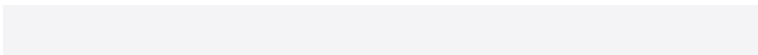
246, 244, 244



243, 245, 243



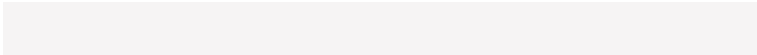
243, 244, 245



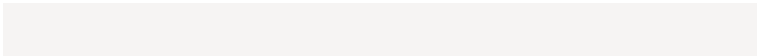
244, 244, 246

# Rectangle

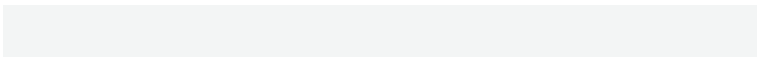
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



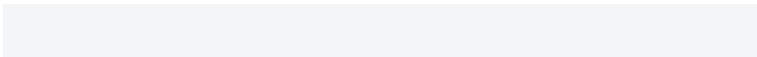
246, 244, 244



246, 245, 243



243, 244, 245

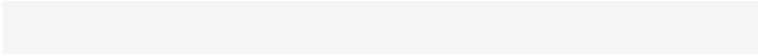


243, 244, 246



# Sweetspot

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



246, 244, 244

255, 255, 255



246, 244, 246



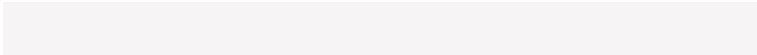
128, 128, 128



0, 0, 0

# Same Dimension

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



246, 244, 244



255, 252, 252



246, 246, 244



122, 121, 121



186, 0, 0



59, 0, 0



# Inverse Universe

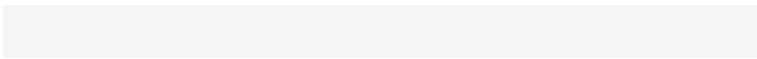
The Inverse Universe completely reimagines the original color for something new.



244, 245, 246



252, 254, 255



244, 245, 246



121, 122, 122



0, 93, 186

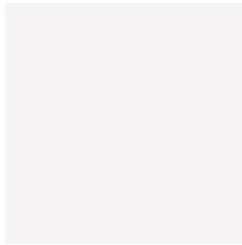


0, 30, 59



# Previews

## White Background



This preview shows how the RYB color 246, 244, 244 looks on a white background.

## Color Contrast Check

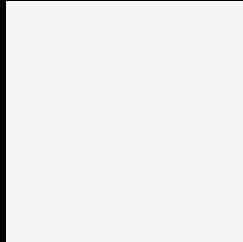
Large Text (above 18pt) WCAG AA × Fail

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 246, 244, 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

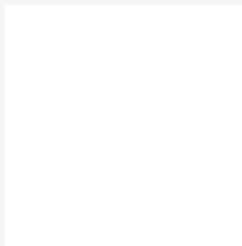
Any Text WCAG AAA ✓ Pass

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

## **RYB 246, 244, 244 Background**



This preview shows how black text looks on a background with the RYB color 246, 244, 244.



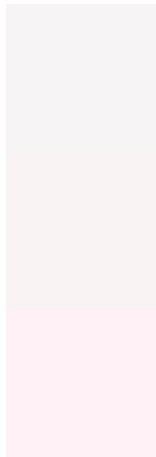
This preview shows how white text looks on a background with the RYB color 246, 244, 244.



# 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**  
246, 244, 244

**Protanopia**  
249, 243, 244

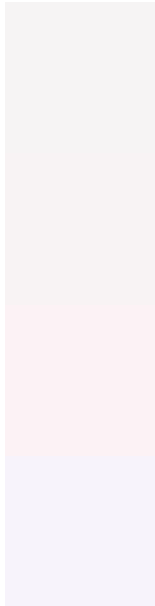
**Deuteranopia**  
255, 241, 245



# Tritanopia

247, 243, 255

# Trichromacy



## Original Color

246, 244, 244

## Protanomaly

248, 243, 244

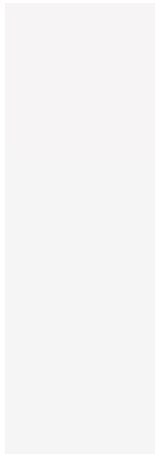
## Deuteranomaly

252, 242, 245

## Tritanomaly

247, 243, 251

# Monochromacy



## Original Color

246, 244, 244

## Achromatopsia

245, 245, 245

## Achromatomaly

245, 245, 245

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 246, 244, 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(246, 244, 244) looks like.

```
.text, #text, p{  
    color:rgb(246, 244, 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(246, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 244, 244) }
```

## Border

The CSS property to change the border of an element to RYB 246, 244, 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(246, 244, 244) }
```

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

```
.border{ border-color:rgb(246, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(246, 244,  
244) }
```

# Background

The CSS property to change the background color of an element to RYB 246, 244, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 244, 244) }
```

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

```
.background{ background-color: rgb(246,  
244, 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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