

# Converting Colors

`RYB(251, 248, 248)`

Have a look what the booklet for  
RYB(251, 248, 248) contains.

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# Color

**R<sub>Y</sub>B(251, 248, 248)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBF8F8
RGB	251, 248, 248
RGB Percent	98%, 97%, 97%
CMY	0.0157, 0.0275, 0.0275
CMYK	0.00, 0.01, 0.01, 0.02
HSL	0°, 27%, 98%
HSV	0°, 1%, 98%
XYZ	90.2943, 94.4213, 102.2731
YIQ	248.8970, 1.7880, 0.6360

# Conversions

## Conversions Part 2

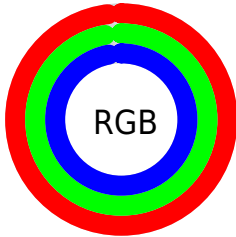
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 248, 248
Decimal	16513272
CIE Lab	97.80, 1.00, 0.34
CIE LCh	98, 1.056, 18.860
Yxy	94.4213, 0.3146, 0.3290
Android (android.graphics.Color)	4294703352 (0xFFFBF8F8)
YUV	248.8970, -0.4422, 1.8443
Hunter-Lab	97.1706, -4.1802, 5.6161

# Details

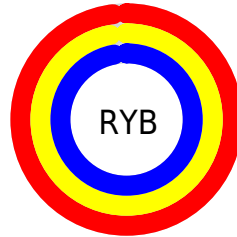
The RYB color 251, 248, 248 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 248, 250, 251, and the grayscale version is 249, 249, 249.

A 20% lighter version of the original color is 255, 255, 255, and 195, 192, 192 is the 20% darker color. If you saturate the color by 10%, you get 251, 223, 223, and if you desaturate by 10%, it is 251, 253, 255.

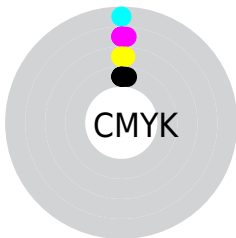
# Distribution



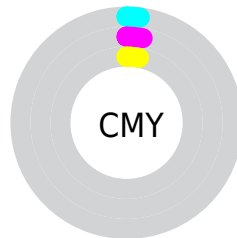
- Red (98%)
- Green (97%)
- Blue (97%)



- Red (98%)
- Yellow (97%)
- Blue (97%)



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



- Cyan (2%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 251, 248, 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 251, 248, 248 by changing the saturation by 10% instead.



 251, 248, 248


255, 255, 255

 251, 248, 248


 222, 219, 219

 195, 192, 192

 167, 165, 165


 141, 138, 138

 115, 113, 113


 91, 88, 88


 67, 65, 65


 45, 43, 43


 25, 23, 23


 251, 248, 248


 251, 248, 248


 251, 223, 223

 251, 253, 255

 251, 198, 198


 251, 173, 173

 251, 148, 148

 251, 122, 122

 251, 97, 97

 251, 72, 72

 251, 47, 47

 251, 22, 22

# Harmonies

## Analogous

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



251, 248, 249



251, 248, 248



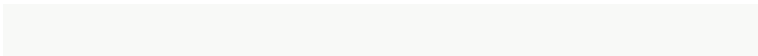
251, 248, 247

# Triad

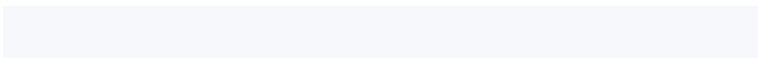
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



251, 248, 248



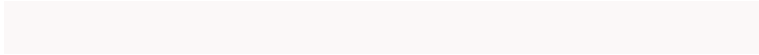
247, 249, 248



247, 248, 251

# Complementary

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



251, 248, 248



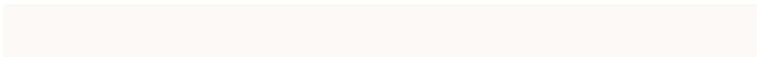
248, 250, 251

# 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.



246, 248, 250



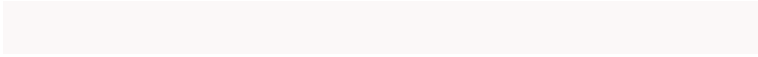
251, 248, 248



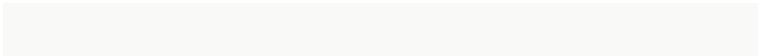
247, 248, 249

# Square

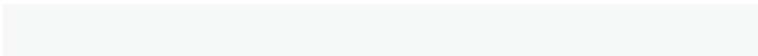
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



251, 248, 248



247, 249, 247



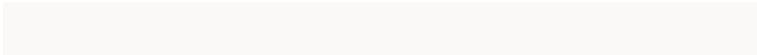
246, 248, 249



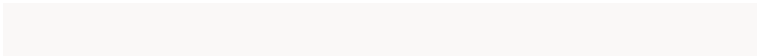
248, 249, 251

# Rectangle

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



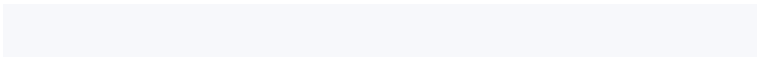
251, 248, 248



250, 249, 247



246, 248, 249

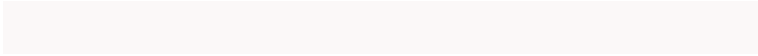


247, 248, 251



# Sweetspot

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



251, 248, 248

255, 255, 255



251, 248, 251



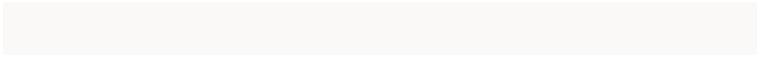
128, 128, 128



0, 0, 0

# Same Dimension

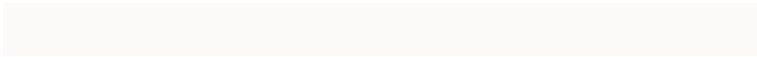
The Same Dimension uses a secret algorithm to generate beautiful new colors.



251, 248, 248



255, 252, 252



250, 251, 248



125, 124, 124



189, 0, 0



61, 0, 0



# Inverse Universe

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



248, 250, 251



252, 254, 255



248, 249, 251



124, 125, 125



0, 95, 189

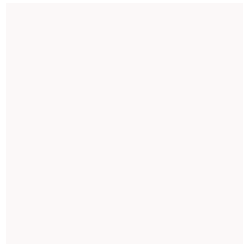


0, 31, 61



# Previews

## White Background



This preview shows how the RYB color 251, 248, 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 251, 248, 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](#).

## **RYB 251, 248, 248 Background**



This preview shows how black text looks on a background with the RYB color 251, 248, 248.



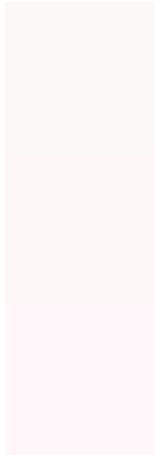
This preview shows how white text looks on a background with the RYB color 251, 248, 248.



# 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**  
251, 248, 248

**Protanopia**  
253, 247, 248

**Deuteranopia**  
255, 247, 249



# Tritanopia

251, 247, 255

# Trichromacy



**Original Color**

251, 248, 248

**Protanomaly**

252, 247, 248

**Deuteranomaly**

254, 247, 249

**Tritanomaly**

251, 247, 252

# Monochromacy



**Original Color**

251, 248, 248

**Achromatopsia**

249, 249, 249

**Achromatomaly**

250, 249, 249

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 251, 248, 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(251, 248, 248) looks like.

```
.text, #text, p{  
    color:rgb(251, 248, 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(251, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 248, 248) }
```

## Border

The CSS property to change the border of an element to RYB 251, 248, 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(251, 248, 248) }
```

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

```
.border{ border-color:rgb(251, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(251, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to RGB 251, 248, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 248, 248) }
```

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

```
.background{ background-color: rgb(251,  
248, 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](#).

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