

# Converting Colors

`RYB(253, 248, 247)`

Have a look what the booklet for RYB(253, 248, 247) contains.

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# **Color**

**R<sub>Y</sub>B(253, 248, 247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF8F7
RGB	253, 248, 247
RGB Percent	99%, 97%, 97%
CMY	0.0078, 0.0280, 0.0314
CMYK	0.00, 0.02, 0.02, 0.01
HSL	9°, 60%, 98%
HSV	9°, 2%, 99%
XYZ	90.8200, 94.6450, 101.4773
YIQ	249.3810, 3.3010, 0.7490

# Conversions

## Conversions Part 2

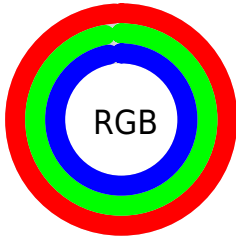
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 248, 247
Decimal	16644343
CIE Lab	97.89, 1.56, 1.01
CIE LCh	98, 1.860, 32.733
Yxy	94.6450, 0.3165, 0.3298
Android (android.graphics.Color)	4294834423 (0xFFFD8F7)
YUV	249.3810, -1.1738, 3.1739
Hunter-Lab	97.2857, -3.6132, 6.2554

# Details

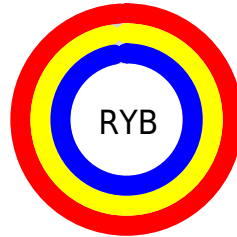
The RYB color 253, 248, 247 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 247, 250, 253, and the grayscale version is 249, 249, 249.

A 20% lighter version of the original color is 255, 255, 255, and 196, 192, 191 is the 20% darker color. If you saturate the color by 10%, you get 253, 227, 222, and if you desaturate by 10%, it is 253, 254, 255.

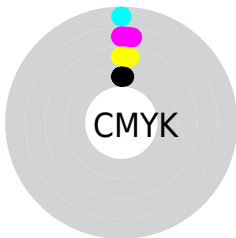
# Distribution



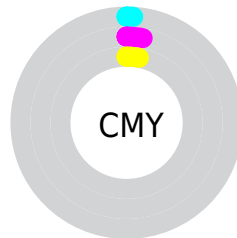
- Red (99%)
- Green (97%)
- Blue (97%)



- Red (99%)
- Yellow (97%)
- Blue (97%)



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



- Cyan (1%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 253, 248, 247 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 253, 248, 247 by changing the saturation by 10% instead.



 253, 248, 247

255, 255, 255

 253, 248, 247


 224, 219, 219

 196, 192, 191

 169, 164, 164

 143, 138, 137

 117, 113, 112

 93, 88, 88

 69, 65, 64

 47, 43, 42

 26, 23, 22

253, 248, 247

253, 248, 247

253, 227, 222

253, 254, 255

253, 205, 196

253, 185, 171

253, 163, 146

253, 142, 120

253, 122, 95

253, 100, 70

253, 79, 45

253, 59, 19

# Harmonies

## Analogous

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



253, 248, 249



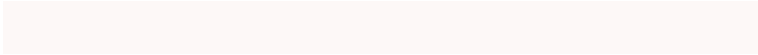
253, 248, 247



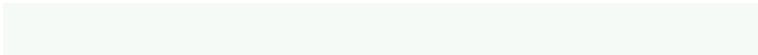
252, 249, 246

# Triad

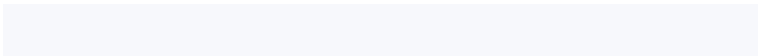
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



253, 248, 247



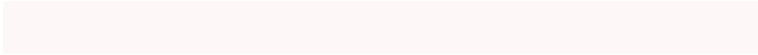
246, 249, 250



247, 248, 252

# Complementary

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



253, 248, 247



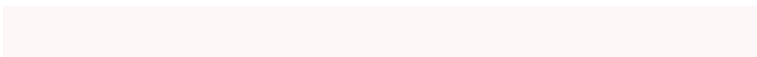
247, 250, 253

# Split Complementary

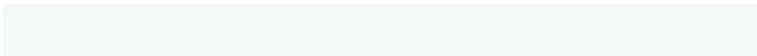
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



246, 248, 252



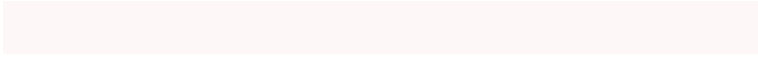
253, 248, 247



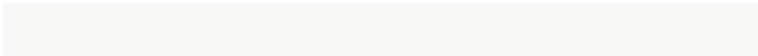
245, 248, 250

# Square

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



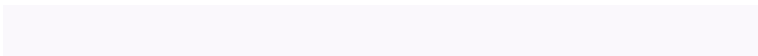
253, 248, 247



246, 249, 247



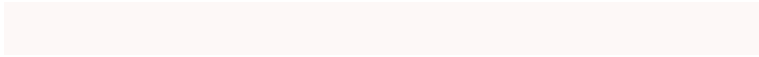
245, 248, 251



250, 248, 252

# Rectangle

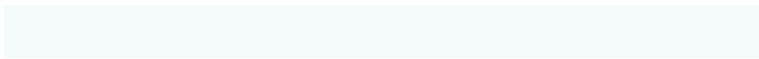
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



253, 248, 247



248, 251, 245



245, 248, 251



247, 248, 252



# Sweetspot

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



253, 248, 247



255, 254, 252



253, 247, 252



128, 126, 126



0, 0, 0

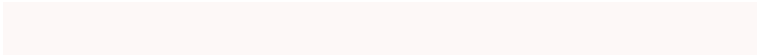


128, 128, 128

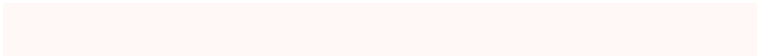


# Same Dimension

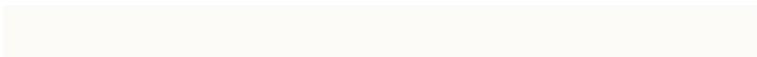
The Same Dimension uses a secret algorithm to generate beautiful new colors.



253, 248, 247



255, 248, 247



250, 253, 247



128, 123, 122



191, 31, 0



64, 10, 0



# Inverse Universe

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



247, 250, 253



247, 251, 255



247, 249, 253



122, 125, 128



0, 88, 191

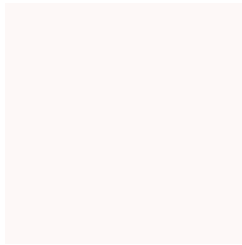


0, 30, 64



# Previews

## White Background



This preview shows how the RGB color 253, 248, 247 looks on a white background.

## Color Contrast Check

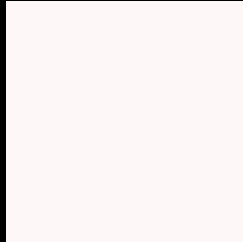
Large Text (above 18pt) WCAG AA × Fail

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 253, 248, 247 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

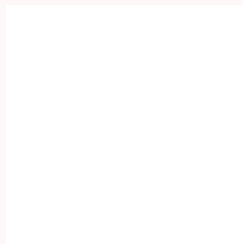
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 253, 248, 247 Background**



This preview shows how black text looks on a background with the RYB color 253, 248, 247.

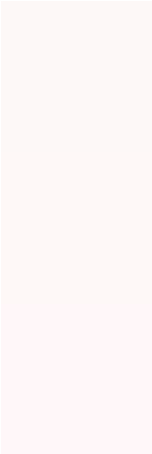


This preview shows how white text looks on a background with the RYB color 253, 248, 247.

# 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**  
253, 248, 247

**Protanopia**  
254, 248, 247

**Deuteranopia**  
255, 247, 249



# Tritanopia

252, 248, 255

# Trichromacy



**Original Color**

253, 248, 247

**Protanomaly**

254, 248, 247

**Deuteranomaly**

254, 247, 248

**Tritanomaly**

252, 248, 252

# Monochromacy



**Original Color**

253, 248, 247

**Achromatopsia**

249, 249, 249

**Achromatomaly**

250, 250, 248

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 253, 248, 247 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(253, 248, 247) looks like.

```
.text, #text, p{  
    color:rgb(253, 248, 247)  
}
```

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(253, 248, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 248, 247) }
```

## Border

The CSS property to change the border of an element to RYB 253, 248, 247 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(253, 248, 247) }
```

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

```
.border{ border-color:rgb(253, 248, 247) }
```

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

Here you see how a box with a 4 pixel rgb(253, 248, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 248, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 248, 247);  
box-shadow:4px 4px 4px 4px rgb(253, 248,  
247) }
```

# Background

The CSS property to change the background color of an element to RGB 253, 248, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 248, 247) }
```

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

```
.background{ background-color: rgb(253,  
248, 247) }
```

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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