

# Converting Colors

`RYB(255, 245, 245)`

Have a look what the booklet for  
RYB(255, 245, 245) contains.

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# Color

**R<sub>Y</sub>B(255, 245, 245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F5
RGB	255, 245, 245
RGB Percent	100%, 96%, 96%
CMY	0.0000, 0.0392, 0.0392
CMYK	0.00, 0.04, 0.04, 0.00
HSL	0°, 100%, 98%
HSV	0°, 4%, 100%
XYZ	90.3738, 93.1574, 99.6042
YIQ	247.9900, 5.9600, 2.1200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 245
Decimal	16774645
CIE Lab	97.29, 3.34, 1.18
CIE LCh	97, 3.545, 19.458
Yxy	93.1574, 0.3192, 0.3290
Android (android.graphics.Color)	4294964725 (0xFFFFF5F5)
YUV	247.9900, -1.4741, 6.1478
Hunter-Lab	96.5181, -1.7697, 6.3769

# Details

The RYB color **255, 245, 245** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **245, 250, 255**, and the grayscale version is **248, 248, 248**.

A 20% lighter version of the original color is **255, 255, 255**, and **198, 189, 189** is the 20% darker color. If you saturate the color by 10%, you get **255, 220, 220**, and if you desaturate by 10%, it is **255, 255, 255**.

# Distribution



Red (100%)

Green (96%)

Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 245, 245 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 255, 245, 245 by changing the saturation by 10% instead.




 255, 245, 245

 255, 245, 245

255, 255, 255

 226, 217, 217

 198, 189, 189

 171, 162, 162

 144, 136, 136

 119, 110, 110

 94, 86, 86

 70, 63, 63

 48, 41, 41

 27, 21, 20

 255, 245, 245

 255, 245, 245


 255, 220, 220

255, 255, 255

 255, 194, 194

 255, 169, 169

 255, 143, 143

 255, 118, 118

 255, 92, 92

 255, 66, 66

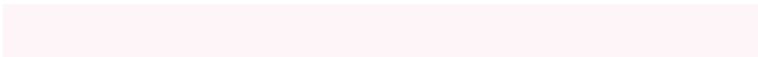
 255, 41, 41

 255, 16, 16

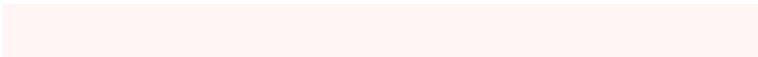
# Harmonies

## Analogous

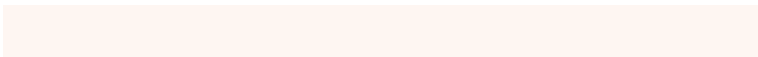
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



254, 245, 249



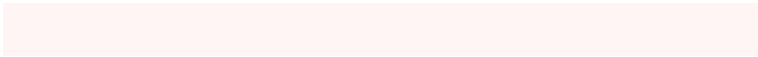
255, 245, 245



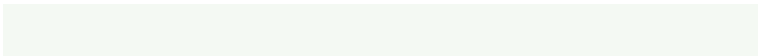
254, 248, 242

# Triad

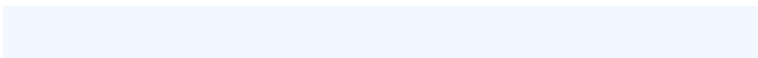
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 245, 245



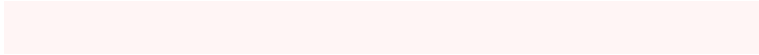
243, 249, 248



243, 246, 254

# Complementary

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



255, 245, 245



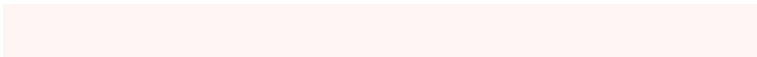
245, 250, 255

# Split Complementary

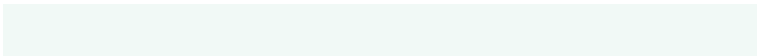
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



240, 245, 252



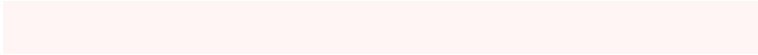
255, 245, 245



241, 246, 249

# Square

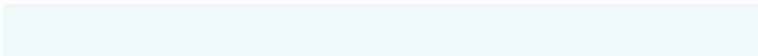
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



255, 245, 245



241, 248, 241



239, 244, 249



247, 247, 254

# Rectangle

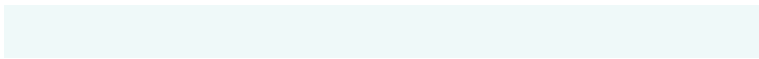
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



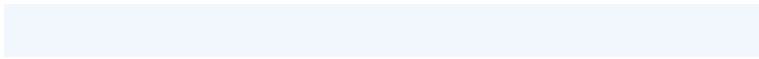
255, 245, 245



253, 250, 241



239, 244, 249



241, 245, 253



# Sweetspot

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



255, 245, 245



255, 252, 252



255, 245, 255



128, 126, 126



0, 0, 0



128, 128, 128

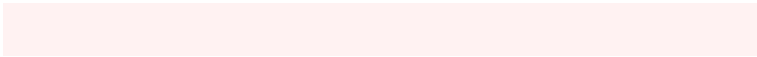


# Same Dimension

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



255, 245, 245



255, 242, 242



255, 255, 245



128, 120, 120



191, 0, 0



64, 0, 0

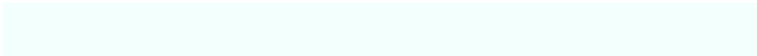


# Inverse Universe

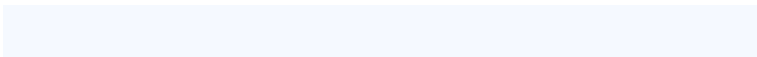
The Inverse Universe completely reimagines the original color for something new.



245, 250, 255



242, 249, 255



245, 248, 255



120, 124, 128



0, 96, 191

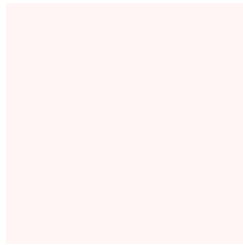


0, 32, 64



# Previews

## White Background



This preview shows how the RYB color 255, 245, 245 looks on a white background.

## Color Contrast Check

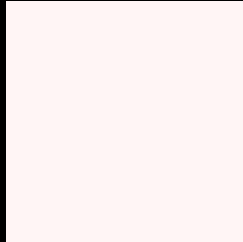
Large Text (above 18pt) WCAG AA × Fail

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 255, 245, 245 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

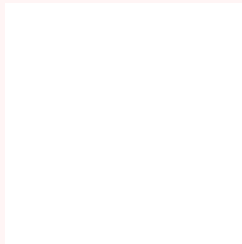
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 255, 245, 245 Background**



This preview shows how black text looks on a background with the RYB color 255, 245, 245.



This preview shows how white text looks on a background with the RYB color 255, 245, 245.

# 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**  
255, 245, 245

**Protanopia**  
252, 246, 246

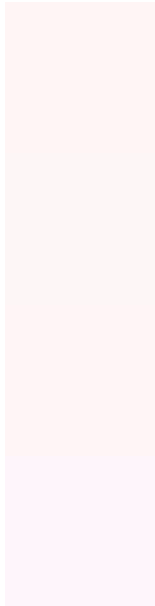
**Deuteranopia**  
255, 245, 247



# Tritanopia

253, 245, 255

# Trichromacy



## Original Color

255, 245, 245

## Protanomaly

253, 246, 246

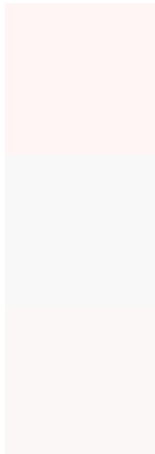
## Deuteranomaly

255, 245, 246

## Tritanomaly

254, 245, 251

# Monochromacy



## Original Color

255, 245, 245

## Achromatopsia

248, 248, 248

## Achromatomaly

251, 247, 247

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 255, 245, 245 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(255, 245, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 245)  
}
```

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(255, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 245) }
```

## Border

The CSS property to change the border of an element to RYB 255, 245, 245 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(255, 245, 245) }
```

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

```
.border{ border-color:rgb(255, 245, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
245) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 245, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 245) }
```

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

```
.background{ background-color: rgb(255,  
245, 245) }
```

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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