

# Converting Colors

`RYB(249, 254, 249)`

Have a look what the booklet for RYB(249, 254, 249) contains.

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# **Color**

**R<sub>Y</sub>B(249, 254, 249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFEF9
RGB	254, 254, 249
RGB Percent	100%, 100%, 98%
CMY	0.0039, 0.0039, 0.0235
CMYK	0.00, 0.00, 0.02, 0.00
HSL	60°, 71%, 99%
HSV	60°, 2%, 100%
XYZ	93.4137, 98.7940, 103.7683
YIQ	253.4300, 1.6050, -1.5550

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 254, 249
Decimal	16711417
CIE <sub>Lab</sub>	99.53, -0.86, 2.37
CIE <sub>LCh</sub>	100, 2.526, 109.958
Yxy	98.7940, 0.3156, 0.3338
Android (android.graphics.Color)	4294901497 (0xFFFEFEF9)
YUV	253.4300, -2.1840, 0.4999
Hunter-Lab	99.3952, -6.1834, 7.6780

# Details

The RYB color 249, 254, 249 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 249, 249, 254, and the grayscale version is 253, 253, 253.

A 20% lighter version of the original color is 255, 255, 255, and 193, 197, 193 is the 20% darker color. If you saturate the color by 10%, you get 224, 254, 224, and if you desaturate by 10%, it is 254, 254, 255.

# Distribution



- Red (100%)
- Green (100%)
- Blue (98%)



- Red (98%)
- Yellow (100%)
- Blue (98%)



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



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 249, 254, 249 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 249, 254, 249 by changing the saturation by 10% instead.





249, 254, 249



249, 254, 249

255, 255, 255



220, 225, 220



193, 197, 193



165, 170, 165



139, 144, 139



114, 118, 114



89, 93, 89



66, 70, 66



44, 48, 44



23, 27, 23

249, 254, 249

249, 254, 249

224, 254, 224

254, 254, 255

198, 254, 198

173, 254, 173

147, 254, 147

122, 254, 122

97, 254, 97

71, 254, 71

46, 254, 46

20, 254, 20

# Harmonies

## Analogous

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



252, 255, 249



249, 254, 249



250, 255, 254

# Triad

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



249, 254, 249



248, 252, 255



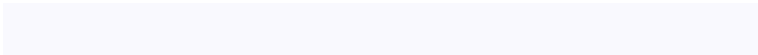
255, 252, 255

# Complementary

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



249, 254, 249



249, 249, 254

# 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.



255, 253, 255



249, 254, 249



250, 252, 255

# Square

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



249, 254, 249



248, 252, 255



253, 253, 255



255, 252, 252

# Rectangle

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



249, 254, 249



249, 253, 255



253, 253, 255



255, 252, 255



# Sweetspot

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



249, 254, 249



252, 255, 252



254, 249, 249



126, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



249, 254, 249



250, 255, 250



249, 254, 251



125, 128, 125



0, 191, 0

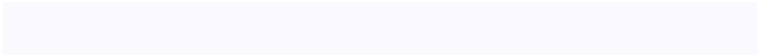


0, 64, 0



# Inverse Universe

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



249, 249, 254



250, 250, 255



252, 249, 254



125, 125, 128



0, 0, 191



0, 0, 64



# Previews

## White Background



This preview shows how the RGB color 249, 254, 249 looks on a white background.

## Color Contrast Check

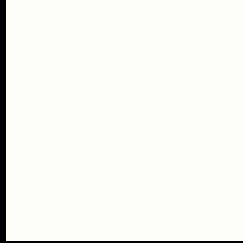
Large Text (above 18pt) WCAG AA × Fail

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 249, 254, 249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

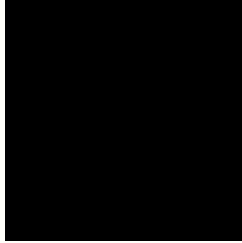
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## R/Y/B 249, 254, 249 Background



This preview shows how black text looks on a background with the R/Y/B color 249, 254, 249.



This preview shows how white text looks on a background with the R/Y/B color 249, 254, 249.

# 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**  
249, 254, 249

**Protanopia**  
255, 254, 252

**Deuteranopia**  
255, 253, 253

# Tritanopia

254, 253, 255

# Trichromacy

## Original Color

249, 254, 249

## Protanomaly

255, 255, 251

## Deuteranomaly

255, 254, 252

## Tritanomaly

254, 253, 253

# Monochromacy

## Original Color

249, 254, 249

## Achromatopsia

253, 253, 253

## Achromatomaly

252, 253, 252

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 249, 254, 249 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(254, 254, 249) looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 249)  
}
```

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(254, 254, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 249) }
```

## Border

The CSS property to change the border of an element to RYB 249, 254, 249 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(254, 254, 249) }
```

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

```
.border{ border-color:rgb(254, 254, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 254, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 249);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
249) }
```

# Background

The CSS property to change the background color of an element to RYB 249, 254, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 249) }
```

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

```
.background{ background-color: rgb(254,  
254, 249) }
```

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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