

# Converting Colors

`RYB(245, 253, 245)`

Have a look what the booklet for  
RYB(245, 253, 245) contains.

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# **Color**

**R<sub>Y</sub>B(245, 253, 245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFDF5
RGB	253, 253, 245
RGB Percent	99%, 99%, 96%
CMY	0.0078, 0.0078, 0.0392
CMYK	0.00, 0.00, 0.03, 0.01
HSL	60°, 67%, 98%
HSV	60°, 3%, 99%
XYZ	92.1147, 97.7258, 100.3942
YIQ	252.0880, 2.5680, -2.4880

# Conversions

## Conversions Part 2

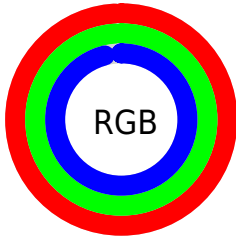
Format	Color
<a href="#">RYB</a>	<a href="#">245, 253, 245</a>
Decimal	<a href="#">16645621</a>
CIELab	<a href="#">99.11, -1.38, 3.81</a>
CIElCh	<a href="#">99, 4.052, 109.855</a>
Yxy	<a href="#">97.7258, 0.3174, 0.3367</a>
Android (android.graphics.Color)	<a href="#">4294835701</a> ( <a href="#">0xFFFFDFDF5</a> )
YUV	<a href="#">252.0880, -3.4944, 0.7998</a>
Hunter-Lab	<a href="#">98.8563, -6.6716, 8.9871</a>

# Details

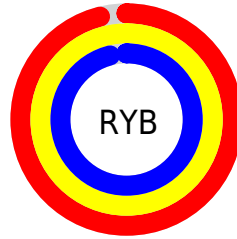
The RYB color 245, 253, 245 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 245, 245, 253, and the grayscale version is 252, 252, 252.

A 20% lighter version of the original color is 255, 255, 255, and 189, 196, 189 is the 20% darker color. If you saturate the color by 10%, you get 220, 253, 220, and if you desaturate by 10%, it is 253, 253, 255.

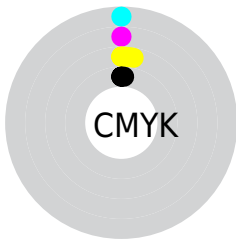
# Distribution



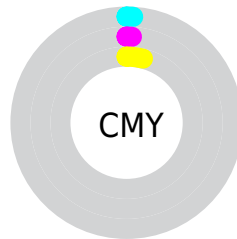
- Red (99%)
- Green (99%)
- Blue (96%)



- Red (96%)
- Yellow (99%)
- Blue (96%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 245, 253, 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 245, 253, 245 by changing the saturation by 10% instead.




 245, 253, 245

 245, 253, 245


255, 255, 255

 217, 224, 217

 189, 196, 189


 162, 169, 162

 136, 143, 136

 110, 117, 110

 86, 93, 86

 63, 69, 63

 41, 47, 41

 20, 26, 20

 245, 253, 245

 245, 253, 245

 220, 253, 220

 253, 253, 255

 194, 253, 194

 169, 253, 169

 144, 253, 144

 118, 253, 118

 93, 253, 93

 68, 253, 68

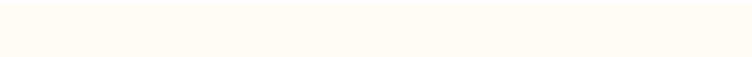
 43, 253, 43

 17, 253, 17

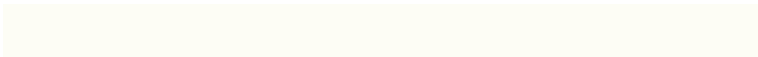
# Harmonies

## Analogous

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



249, 255, 245



245, 253, 245



247, 254, 253

# Triad

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



245, 253, 245



244, 249, 255



255, 250, 254

# Complementary

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



245, 253, 245



245, 245, 253

# Split Complementary

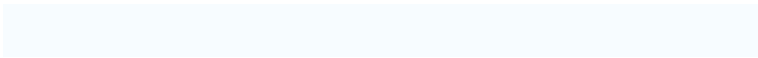
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 251, 255



245, 253, 245



247, 250, 255

# Square

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



245, 253, 245



243, 249, 255



252, 252, 255



255, 250, 250

# Rectangle

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



245, 253, 245



246, 252, 255



252, 252, 255



255, 250, 255



# Sweetspot

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



245, 253, 245



252, 255, 252



253, 245, 245



126, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



245, 253, 245



245, 255, 245



245, 253, 249



121, 128, 121



0, 191, 0



0, 64, 0



# Inverse Universe

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



245, 245, 253



245, 245, 255



249, 245, 253



121, 121, 128



0, 0, 191



0, 0, 64



# Previews

## White Background



This preview shows how the RYB color 245, 253, 245 looks on a white background.

## Color Contrast Check

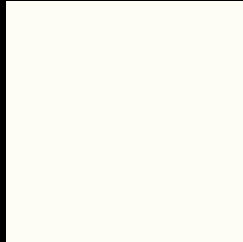
Large Text (above 18pt) WCAG AA × Fail

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 245, 253, 245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

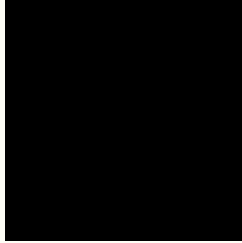
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 245, 253, 245 Background**



This preview shows how black text looks on a background with the RYB color 245, 253, 245.



This preview shows how white text looks on a background with the RYB color 245, 253, 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**  
[245, 253, 245](#)

**Protanopia**  
[255, 255, 249](#)

**Deuteranopia**  
[255, 252, 252](#)

# Tritanopia

253, 252, 255

# Trichromacy



**Original Color**

245, 253, 245

**Protanomaly**

251, 254, 248

**Deuteranomaly**

252, 254, 249

**Tritanomaly**

253, 253, 251

# Monochromacy



**Original Color**

245, 253, 245



**Achromatopsia**

252, 252, 252

**Achromatomaly**

249, 252, 249

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 245, 253, 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(253, 253, 245) looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 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(253, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 245) }
```

## Border

The CSS property to change the border of an element to RYB 245, 253, 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(253, 253, 245) }
```

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

```
.border{ border-color:rgb(253, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
245) }
```

# Background

The CSS property to change the background color of an element to RYB 245, 253, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 245) }
```

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

```
.background{ background-color: rgb(253,  
253, 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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