

# Converting Colors

`RYB(240, 255, 245)`

Have a look what the booklet for  
RYB(240, 255, 245) contains.

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# Color

**R<sub>Y</sub>B(240, 255, 245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFFF0
RGB	250, 255, 240
RGB Percent	98%, 100%, 94%
CMY	0.0196, 0.0000, 0.0588
CMYK	0.02, 0.00, 0.06, 0.00
HSL	80°, 100%, 97%
HSV	80°, 6%, 100%
XYZ	90.9125, 98.1353, 96.5885
YIQ	251.7950, 1.8350, -5.7250

# Conversions

## Conversions Part 2

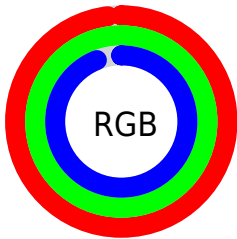
Format	Color
R <sub>Y</sub> B	240, 255, 245
Decimal	16449520
CIE Lab	99.27, -4.23, 6.58
CIE LCh	99, 7.822, 122.739
Yxy	98.1353, 0.3183, 0.3436
Android (android.graphics.Color)	4294639600 (0xFFFAFF0)
YUV	251.7950, -5.8149, -1.5742
Hunter-Lab	99.0632, -9.5473, 11.5354

# Details

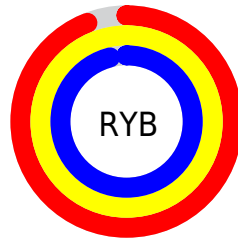
The RYB color 240, 255, 245 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 245, 240, 255, and the grayscale version is 252, 252, 252.

A 20% lighter version of the original color is 255, 255, 255, and 184, 198, 188 is the 20% darker color. If you saturate the color by 10%, you get 215, 255, 228, and if you desaturate by 10%, it is 255, 255, 255.

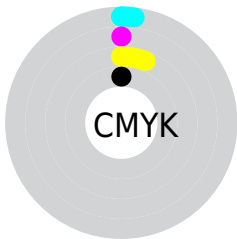
# Distribution



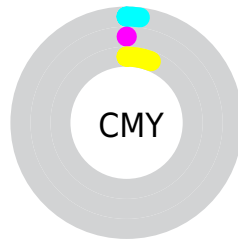
- Red (98%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 240, 255, 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 240, 255, 245 by changing the saturation by 10% instead.





 240, 255, 245


255, 255, 255

 240, 255, 245

 212, 226, 217

 184, 198, 188

 157, 171, 162

 131, 145, 136

 106, 119, 111

 82, 94, 86

 59, 71, 64

 37, 48, 41

 16, 27, 19

240, 255, 245

240, 255, 245

215, 255, 228

255, 255, 255

189, 255, 211

163, 255, 194

138, 255, 177

113, 255, 161

87, 255, 143

61, 255, 126

36, 255, 109

10, 255, 92

# Harmonies

## Analogous

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



240, 255, 238



240, 255, 245



242, 252, 255

# Triad

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



240, 255, 245



238, 247, 255



255, 248, 252

# Complementary

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



240, 255, 245



245, 240, 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.



255, 249, 255



240, 255, 245



246, 250, 255

# Square

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



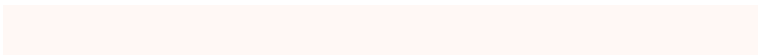
240, 255, 245



235, 245, 255



255, 251, 255



255, 249, 245

# Rectangle

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



240, 255, 245



237, 247, 255



255, 251, 255



255, 248, 255



# Sweetspot

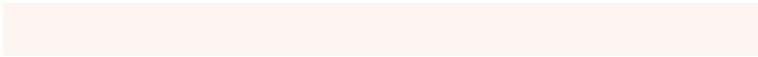
The Sweet Spot groups the original color and five complimentary colors.



240, 255, 245



250, 255, 252



255, 248, 240



125, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 255, 245



237, 255, 243



240, 255, 252



117, 128, 121



0, 191, 64



0, 64, 22



# Inverse Universe

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



245, 240, 255



243, 237, 255



253, 240, 255



121, 117, 128



64, 0, 191



21, 0, 64



# Previews

## White Background



This preview shows how the RYB color 240, 255, 245 looks on a white background.

## Color Contrast Check

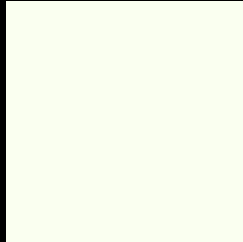
Large Text (above 18pt) WCAG AA × Fail

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 240, 255, 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 240, 255, 245 Background**



This preview shows how black text looks on a background with the RYB color 240, 255, 245.



This preview shows how white text looks on a background with the RYB color 240, 255, 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**  
240, 255, 245



**Protanopia**  
252, 255, 249

**Deuteranopia**  
255, 252, 252

# Tritanopia

253, 253, 255

# Trichromacy



**Original Color**

240, 255, 245

**Protanomaly**

246, 254, 247

**Deuteranomaly**

248, 253, 248

**Tritanomaly**

250, 254, 252

# Monochromacy



**Original Color**

240, 255, 245



**Achromatopsia**

252, 252, 252

**Achromatomaly**

248, 253, 250

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 240, 255, 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(250, 255, 240) looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 240)  
}
```

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(250, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 240) }
```

## Border

The CSS property to change the border of an element to RYB 240, 255, 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(250, 255, 240) }
```

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

```
.border{ border-color:rgb(250, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to RYB 240, 255, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 240) }
```

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

```
.background{ background-color: rgb(250,  
255, 240) }
```

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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