

# Converting Colors

`RYB(240, 252, 242)`

Have a look what the booklet for  
RYB(240, 252, 242) contains.

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# **Color**

**R<sub>Y</sub>B(240, 252, 242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFCF0
RGB	250, 252, 240
RGB Percent	98%, 99%, 94%
CMY	0.0196, 0.0118, 0.0588
CMYK	0.01, 0.00, 0.05, 0.01
HSL	70°, 67%, 96%
HSV	70°, 5%, 99%
XYZ	89.9629, 96.2361, 96.2719
YIQ	250.0340, 2.6600, -4.1560

# Conversions

## Conversions Part 2

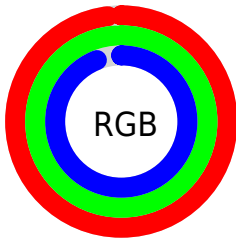
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 252, 242
Decimal	16448752
CIE Lab	98.53, -2.73, 5.50
CIE LCh	99, 6.137, 116.363
Yxy	96.2361, 0.3185, 0.3407
Android (android.graphics.Color)	4294638832 (0xFFFAFCF0)
YUV	250.0340, -4.9468, -0.0298
Hunter-Lab	98.1000, -7.9809, 10.4848

# Details

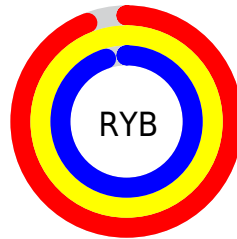
The RYB color 240, 252, 242 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 242, 240, 252, and the grayscale version is 250, 250, 250.

A 20% lighter version of the original color is 255, 255, 255, and 184, 195, 185 is the 20% darker color. If you saturate the color by 10%, you get 215, 252, 221, and if you desaturate by 10%, it is 254, 252, 255.

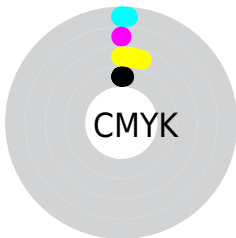
# Distribution



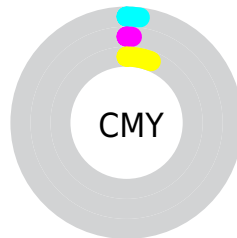
- Red (98%)
- Green (99%)
- Blue (94%)



- Red (94%)
- Yellow (99%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 240, 252, 242 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, 252, 242 by changing the saturation by 10% instead.




 240, 252, 242


255, 255, 255

 240, 252, 242

 212, 223, 214

 184, 195, 185

 157, 168, 159

 131, 142, 133

 106, 116, 107

 82, 92, 84

 59, 68, 60

 37, 46, 39

 16, 25, 17

 240, 252, 242

 240, 252, 242

 215, 252, 221

 254, 252, 255

 190, 252, 200

 255, 252, 255

 164, 252, 179

 139, 252, 158

 114, 252, 137

 89, 252, 116

 64, 252, 95

 38, 252, 74

 13, 252, 53

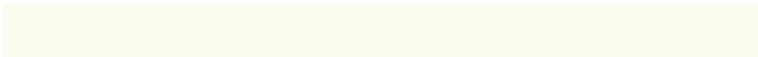
# Harmonies

## Analogous

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



246, 255, 239



240, 252, 242



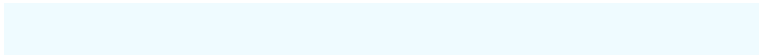
243, 253, 254

# Triad

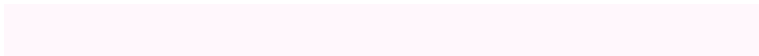
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



240, 252, 242



239, 246, 255



255, 247, 252

# Complementary

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



240, 252, 242



242, 240, 252

# 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, 248, 255



240, 252, 242



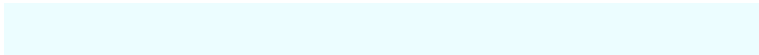
244, 248, 255

# Square

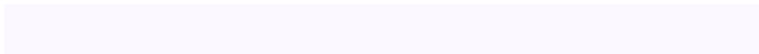
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



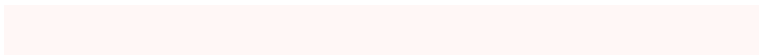
240, 252, 242



236, 245, 255



251, 249, 255



255, 247, 246

# Rectangle

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



240, 252, 242



240, 249, 254



251, 249, 255



255, 247, 254



# Sweetspot

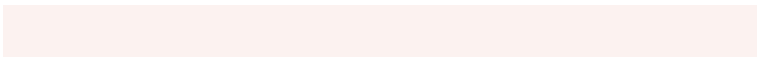
The Sweet Spot groups the original color and five complimentary colors.



240, 252, 242



252, 255, 252



252, 242, 240



126, 128, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 252, 242



240, 255, 243



240, 252, 248



116, 125, 118



0, 189, 32



0, 61, 10



# Inverse Universe

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



242, 240, 252



242, 240, 255



248, 240, 252



118, 116, 125



31, 0, 189

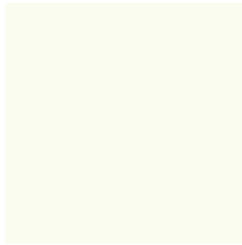


10, 0, 61



# Previews

## White Background



This preview shows how the RYB color 240, 252, 242 looks on a white background.

## Color Contrast Check

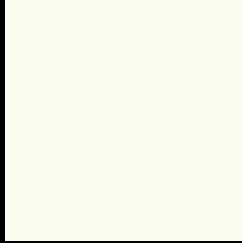
Large Text (above 18pt) WCAG AA × Fail

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, 252, 242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

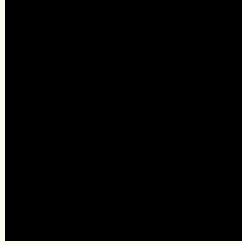
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 240, 252, 242 Background**



This preview shows how black text looks on a background with the RYB color 240, 252, 242.

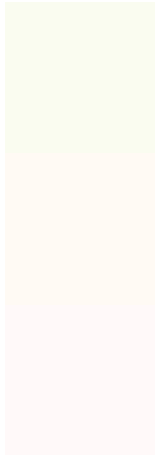


This preview shows how white text looks on a background with the RYB color 240, 252, 242.

# 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, 252, 242

**Protanopia**  
253, 255, 244

**Deuteranopia**  
255, 249, 249

**Tritanopia**  
252, 250, 255

# Trichromacy



**Original Color**

240, 252, 242

**Protanomaly**

246, 253, 243

**Deuteranomaly**

251, 253, 246

**Tritanomaly**

250, 251, 250

# Monochromacy



**Original Color**

240, 252, 242

**Achromatopsia**

250, 250, 250

**Achromatomaly**

246, 251, 247

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 240, 252, 242 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, 252, 240)` looks like.

```
.text, #text, p{  
    color:rgb(250, 252, 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, 252, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 252, 240) }
```

## Border

The CSS property to change the border of an element to RYB 240, 252, 242 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, 252, 240) }
```

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

```
.border{ border-color:rgb(250, 252, 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, 252, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 252, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 252, 240);  
box-shadow:4px 4px 4px 4px rgb(250, 252,  
240) }
```

# Background

The CSS property to change the background color of an element to RGB 240, 252, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 252, 240) }
```

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

```
.background{ background-color: rgb(250,  
252, 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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