

# Converting Colors

`RYB(238, 240, 244)`

Have a look what the booklet for  
RYB(238, 240, 244) contains.

<b>RYB(238, 240, 244)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RYB(238, 240, 244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF1F4
RGB	238, 241, 244
RGB Percent	93%, 95%, 96%
CMY	0.0667, 0.0549, 0.0431
CMYK	0.02, 0.01, 0.00, 0.04
HSL	210°, 21%, 95%
HSV	210°, 2%, 96%
XYZ	83.0443, 87.6194, 98.1233
YIQ	240.4450, -2.7510, 0.2970

# Conversions

## Conversions Part 2

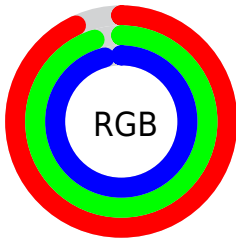
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 240, 244
Decimal	15659508
CIE Lab	95.00, -0.45, -1.80
CIE LCh	95, 1.858, 255.951
Yxy	87.6194, 0.3090, 0.3260
Android (android.graphics.Color)	4293849588 (0xFFEEF1F4)
YUV	240.4450, 1.7526, -2.1443
Hunter-Lab	93.6052, -5.4482, 3.3719

# Details

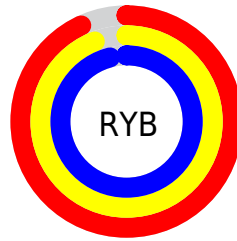
The RYB color **238, 240, 244** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **244, 244, 238**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is 255, 255, 255, and **182, 184, 188** is the 20% darker color. If you saturate the color by 10%, you get **214, 224, 244**, and if you desaturate by 10%, it is 246, 255, 244.

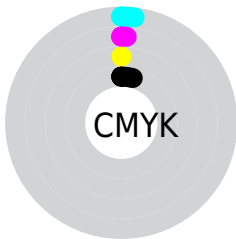
# Distribution



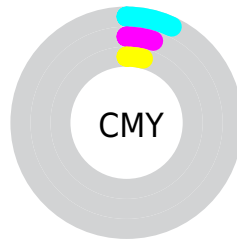
- Red (93%)
- Green (95%)
- Blue (96%)



- Red (93%)
- Yellow (94%)
- Blue (96%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 238, 240, 244 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 238, 240, 244 by changing the saturation by 10% instead.



■ 238, 240, 244

255, 255, 255

■ 238, 240, 244

■ 210, 212, 216

■ 182, 184, 188

■ 155, 157, 161

■ 129, 131, 135

■ 104, 106, 109

■ 80, 82, 85

■ 57, 59, 62

■ 36, 37, 40

■ 14, 16, 20

 238, 240, 244

 238, 240, 244


 214, 224, 244

 246, 255, 244


 189, 208, 244


 244, 255, 244


 165, 191, 244

 140, 175, 244

 116, 159, 244

 92, 143, 244

 67, 126, 244

 43, 110, 244

 18, 93, 244

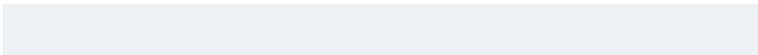
# Harmonies

## Analogous

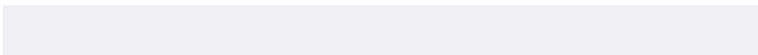
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237, 239, 243



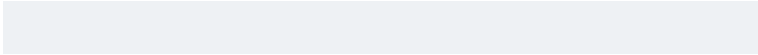
238, 240, 244



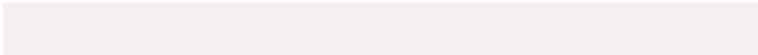
240, 240, 244

# Triad

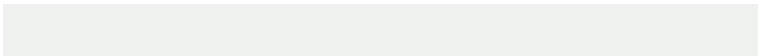
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



238, 240, 244



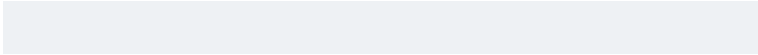
245, 239, 240



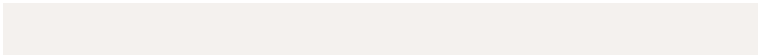
238, 241, 240

# Complementary

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



238, 240, 244



244, 244, 238

# 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.



237, 241, 237



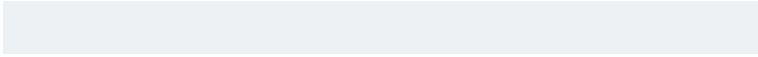
238, 240, 244



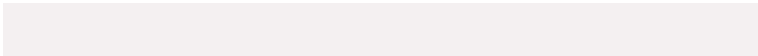
244, 241, 238

# Square

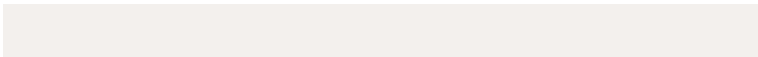
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



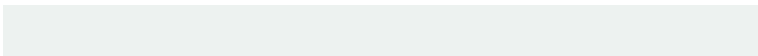
238, 240, 244



244, 240, 241



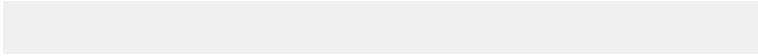
243, 243, 237



237, 240, 242

# Rectangle

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



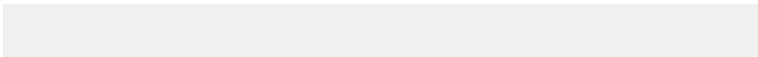
238, 240, 244



241, 240, 243



243, 243, 237

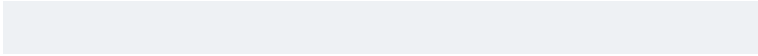


238, 241, 239



# Sweetspot

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



238, 240, 244



252, 253, 255



238, 242, 244



126, 127, 128



0, 0, 0

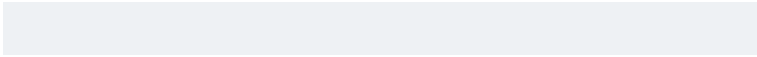


128, 128, 128

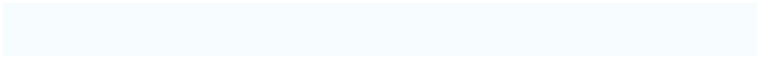


# Same Dimension

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



238, 240, 244



247, 250, 255



238, 238, 244



118, 119, 122



0, 62, 186



0, 19, 59

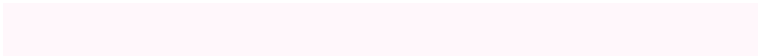


# Inverse Universe

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



244, 238, 241



255, 247, 251



238, 244, 238



122, 118, 120



186, 0, 93

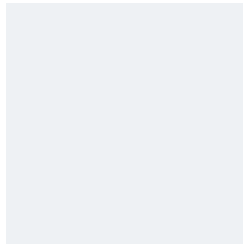


59, 0, 29



# Previews

## White Background



This preview shows how the RYB color 238, 240, 244 looks on a white background.

## Color Contrast Check

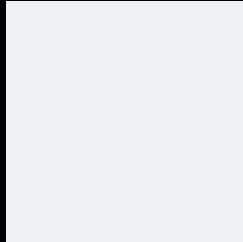
Large Text (above 18pt) WCAG AA × Fail

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 238, 240, 244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

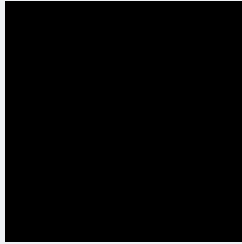
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

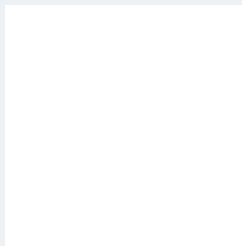
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 238, 240, 244 Background**



This preview shows how black text looks on a background with the RYB color 238, 240, 244.

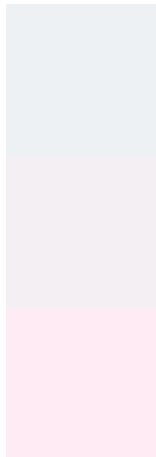


This preview shows how white text looks on a background with the RYB color 238, 240, 244.

# 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**  
238, 240, 244

**Protanopia**  
244, 239, 243

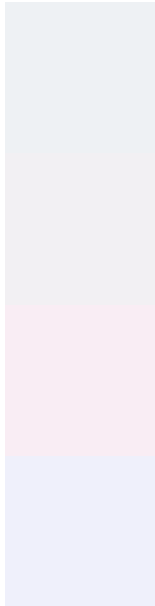
**Deuteranopia**  
255, 235, 244



# Tritanopia

240, 239, 255

# Trichromacy



## Original Color

238, 240, 244

## Protanomaly

242, 240, 243

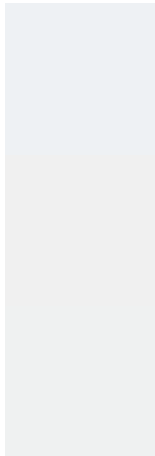
## Deuteranomaly

249, 237, 244

## Tritanomaly

239, 240, 251

# Monochromacy



## Original Color

238, 240, 244

## Achromatopsia

240, 240, 240

## Achromatomaly

239, 240, 241

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 238, 240, 244 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(238, 241, 244) looks like.

```
.text, #text, p{  
    color:rgb(238, 241, 244)  
}
```

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(238, 241, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 241, 244) }
```

## Border

The CSS property to change the border of an element to RYB 238, 240, 244 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(238, 241, 244) }
```

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

```
.border{ border-color:rgb(238, 241, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 241, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 241, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 241, 244);  
box-shadow:4px 4px 4px 4px rgb(238, 241,  
244) }
```

# Background

The CSS property to change the background color of an element to RYB 238, 240, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 241, 244) }
```

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

```
.background{ background-color: rgb(238,  
241, 244) }
```

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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