

# Converting Colors

`RYB(234, 231, 232)`

Have a look what the booklet for RYB(234, 231, 232) contains.

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# Color

**R<sub>Y</sub>B(234, 231, 232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE7E8
RGB	234, 231, 232
RGB Percent	92%, 91%, 91%
CMY	0.0824, 0.0941, 0.0902
CMYK	0.00, 0.01, 0.01, 0.08
HSL	340°, 7%, 91%
HSV	340°, 1%, 92%
XYZ	77.0731, 80.4704, 87.8141
YIQ	232.0110, 1.4670, 0.9470

# Conversions

## Conversions Part 2

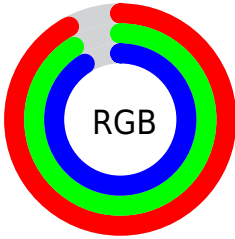
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 231, 232
Decimal	15394792
CIE Lab	91.90, 1.19, -0.14
CIE LCh	92, 1.197, 353.371
Yxy	80.4704, 0.3141, 0.3280
Android (android.graphics.Color)	4293584872 (0xFFEAE7E8)
YUV	232.0110, -0.0054, 1.7444
Hunter-Lab	89.7053, -3.6205, 4.7537

# Details

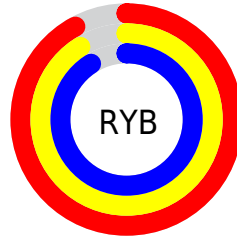
The RYB color **234, 231, 232** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **231, 233, 234**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is 255, 255, 255, and **178, 175, 176** is the 20% darker color. If you saturate the color by 10%, you get **234, 208, 216**, and if you desaturate by 10%, it is **234, 246, 254**.

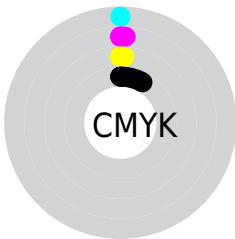
# Distribution



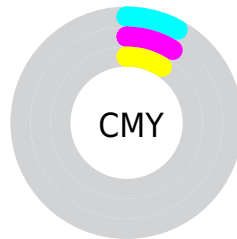
- Red (92%)
- Green (91%)
- Blue (91%)



- Red (92%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 234, 231, 232 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 234, 231, 232 by changing the saturation by 10% instead.



■ 234, 231, 232

255, 255, 255

■ 234, 231, 232

■ 206, 203, 204

■ 178, 175, 176

■ 152, 149, 150

■ 126, 123, 124

■ 101, 98, 99

■ 77, 74, 75

■ 54, 52, 53

■ 33, 31, 31


■ 10, 6, 7

 234, 231, 232


 234, 231, 232

 234, 208, 216


 234, 246, 254

 234, 184, 201


 234, 245, 255

 234, 161, 185

 234, 137, 170

 234, 114, 154

 234, 91, 138

 234, 67, 123

 234, 44, 107

 234, 20, 92

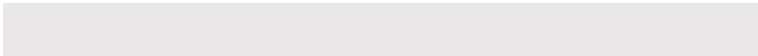
# Harmonies

## Analogous

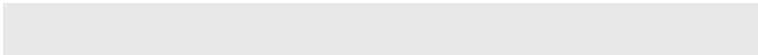
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233, 231, 233



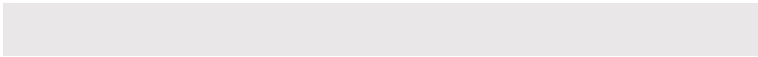
234, 231, 232



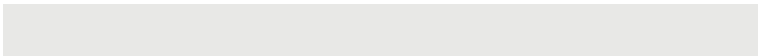
234, 231, 231

# Triad

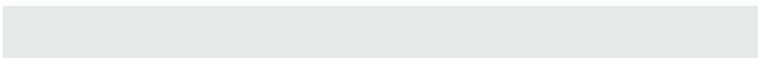
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



234, 231, 232



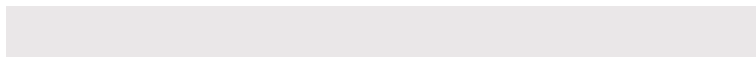
230, 232, 230



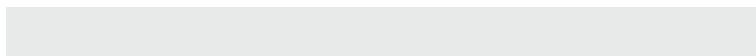
229, 231, 233

# Complementary

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



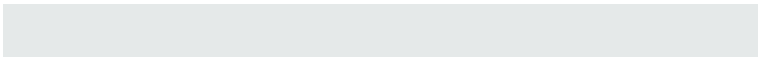
234, 231, 232



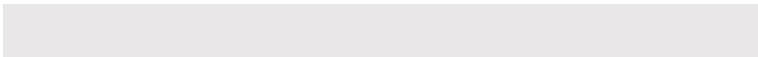
231, 233, 234

# Split Complementary

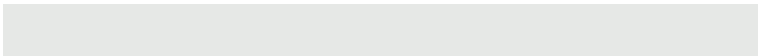
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229, 231, 233



234, 231, 232



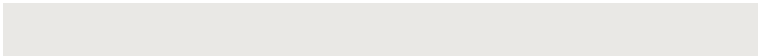
230, 232, 232

# Square

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



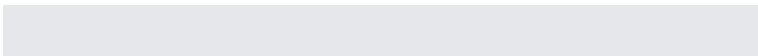
234, 231, 232



230, 233, 229



229, 231, 232



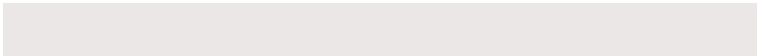
230, 231, 234

# Rectangle

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



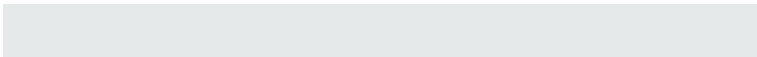
234, 231, 232



234, 231, 230



229, 231, 232

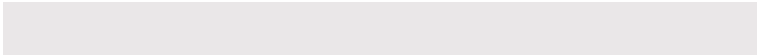


229, 231, 233



# Sweetspot

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



234, 231, 232

255, 255, 255



233, 231, 234



128, 128, 128



0, 0, 0

# Same Dimension

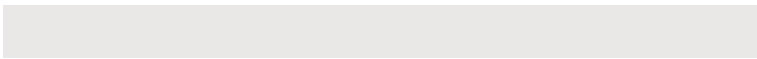
The Same Dimension uses a secret algorithm to generate beautiful new colors.



234, 231, 232



255, 250, 252



234, 233, 231



117, 115, 116



181, 0, 60



54, 0, 18

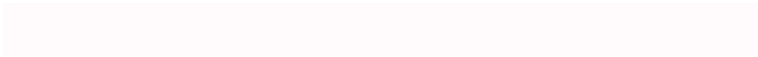


# Inverse Universe

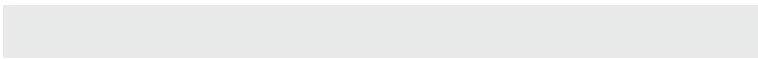
The Inverse Universe completely reimagines the original color for something new.



234, 231, 232



255, 250, 252



231, 233, 234



117, 115, 116



181, 0, 60

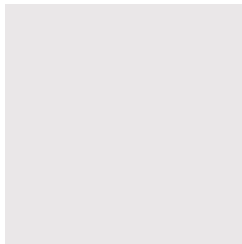


54, 0, 18



# Previews

## White Background



This preview shows how the RYB color 234, 231, 232 looks on a white background.

## Color Contrast Check

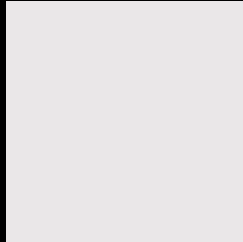
Large Text (above 18pt) WCAG AA × Fail

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 234, 231, 232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

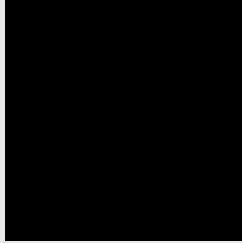
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

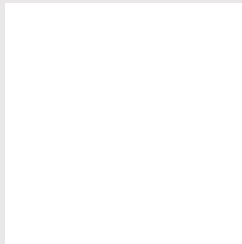
Any Text WCAG AAA ✓ Pass

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

## **RYB 234, 231, 232 Background**



This preview shows how black text looks on a background with the RYB color 234, 231, 232.



This preview shows how white text looks on a background with the RYB color 234, 231, 232.



# 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

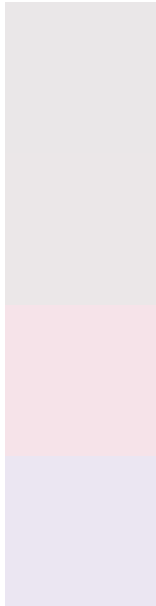
	<b>Original Color</b> 234, 231, 232
	<b>Protanopia</b> 236, 231, 232
	<b>Deuteranopia</b> 253, 224, 233



# Tritanopia

236, 229, 247

# Trichromacy



## Original Color

234, 231, 232

## Protanomaly

235, 231, 232

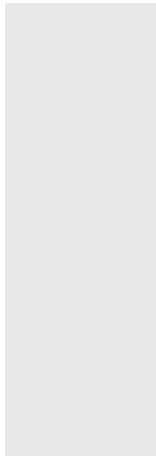
## Deuteranomaly

246, 227, 233

## Tritanomaly

235, 230, 242

# Monochromacy



## Original Color

234, 231, 232

## Achromatopsia

232, 232, 232

## Achromatomaly

233, 232, 232

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 234, 231, 232 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(234, 231, 232) looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 232)  
}
```

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(234, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 232) }
```

## Border

The CSS property to change the border of an element to RYB 234, 231, 232 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(234, 231, 232) }
```

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

```
.border{ border-color:rgb(234, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
232) }
```

# Background

The CSS property to change the background color of an element to RYB 234, 231, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 232) }
```

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

```
.background{ background-color: rgb(234,  
231, 232) }
```

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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