

# Converting Colors

`RYB(228, 237, 234)`

Have a look what the booklet for RYB(228, 237, 234) contains.

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# Color

**R<sub>Y</sub>B(228, 237, 234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EDE4
RGB	231, 237, 228
RGB Percent	91%, 93%, 89%
CMY	0.0941, 0.0706, 0.1059
CMYK	0.03, 0.00, 0.04, 0.07
HSL	100°, 20%, 91%
HSV	100°, 4%, 93%
XYZ	77.2428, 83.1587, 85.3789
YIQ	234.1800, -0.6870, -4.0710

# Conversions

## Conversions Part 2

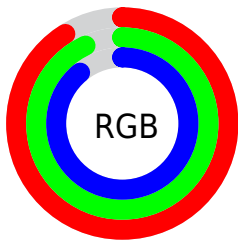
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 237, 234
Decimal	15199716
CIE Lab	93.08, -3.59, 3.65
CIE LCh	93, 5.119, 134.550
Yxy	83.1587, 0.3143, 0.3383
Android (android.graphics.Color)	4293389796 (0xFFE7EDE4)
YUV	234.1800, -3.0467, -2.7889
Hunter-Lab	91.1914, -8.3883, 8.3231

# Details

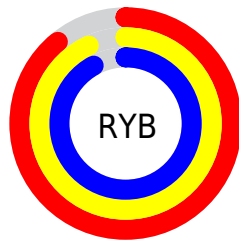
The RYB color **228, 237, 234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 228, 237**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 181, 179** is the 20% darker color. If you saturate the color by 10%, you get **204, 237, 226**, and if you desaturate by 10%, it is **247, 237, 252**.

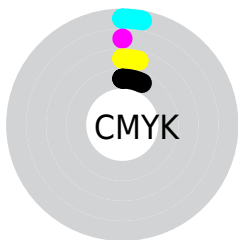
# Distribution



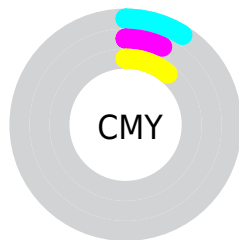
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 228, 237, 234 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 228, 237, 234 by changing the saturation by 10% instead.



■ 228, 237, 234

255, 255, 255

■ 228, 237, 234

■ 200, 209, 206

■ 173, 181, 179

■ 146, 154, 151

■ 120, 128, 125

■ 96, 103, 101

■ 72, 79, 77

■ 50, 56, 54

■ 29, 35, 33

■ 2, 13, 9

 228, 237, 234

 228, 237, 234

 204, 237, 226

 247, 237, 252

 181, 237, 219

 255, 237, 255

 157, 237, 210

 133, 237, 202

 110, 237, 195

 86, 237, 187

 62, 237, 179

 38, 237, 170

 15, 237, 163

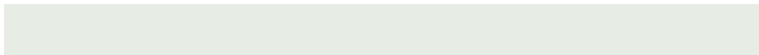
# Harmonies

## Analogous

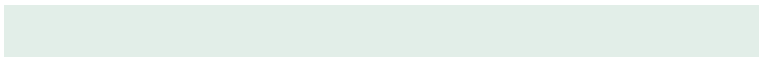
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227, 237, 226



228, 237, 234



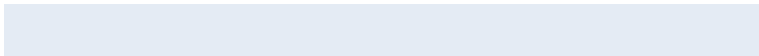
226, 234, 238

# Triad

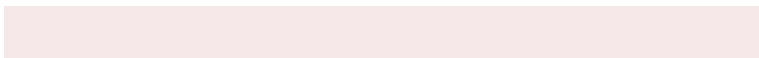
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 237, 234



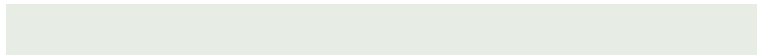
228, 233, 244



246, 232, 233

# Complementary

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



228, 237, 234



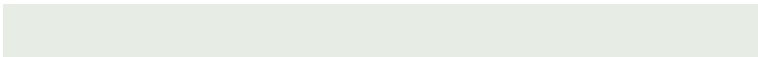
234, 228, 237

# 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.



244, 232, 238



228, 237, 234



233, 235, 245

# Square

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



228, 237, 234



224, 232, 242



239, 233, 242



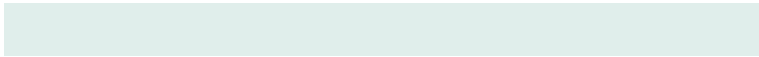
245, 235, 228

# Rectangle

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



228, 237, 234



224, 232, 238



239, 233, 242



246, 232, 234



# Sweetspot

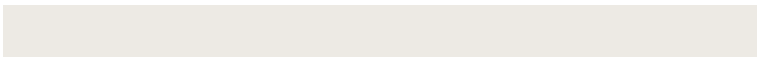
The Sweet Spot groups the original color and five complimentary colors.



228, 237, 234



252, 255, 254



233, 237, 228



126, 128, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



228, 237, 234



242, 255, 251



228, 235, 237



110, 117, 114



0, 181, 121



0, 54, 36



# Inverse Universe

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



234, 228, 237



251, 242, 255



237, 228, 235



115, 110, 117



121, 0, 181

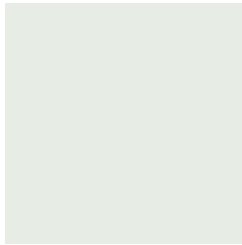


36, 0, 54



# Previews

## White Background



This preview shows how the RYB color 228, 237, 234 looks on a white background.

## Color Contrast Check

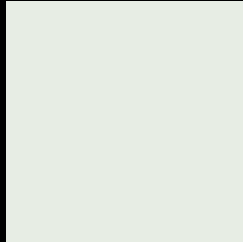
Large Text (above 18pt) WCAG AA × Fail

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 228, 237, 234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

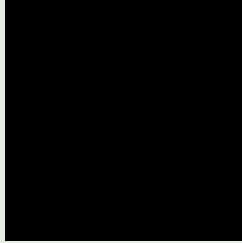
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

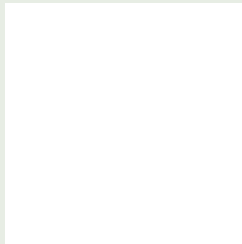
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 228, 237, 234 Background



This preview shows how black text looks on a background with the RYB color 228, 237, 234.

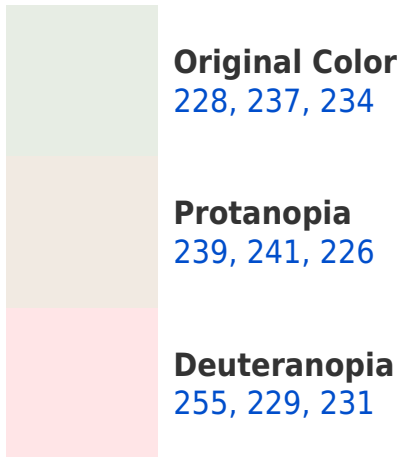


This preview shows how white text looks on a background with the RYB color 228, 237, 234.

# 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](#).

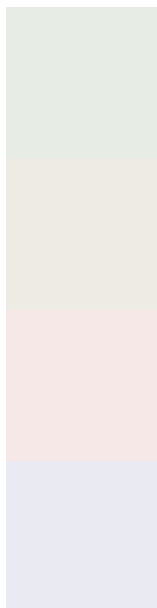
## Dichromacy





**Tritanopia**  
235, 233, 252

# Trichromacy



**Original Color**

228, 237, 234

**Protanomaly**

230, 237, 227

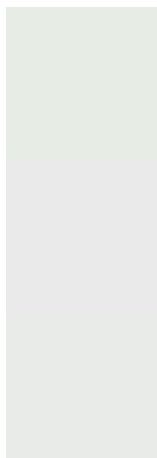
**Deuteranomaly**

246, 232, 230

**Tritanomaly**

234, 234, 243

# Monochromacy



**Original Color**

228, 237, 234

**Achromatopsia**

234, 234, 234

**Achromatomaly**

232, 235, 234

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 228, 237, 234 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(231, 237, 228) looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 228)  
}
```

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(231, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 228) }
```

## Border

The CSS property to change the border of an element to RYB 228, 237, 234 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(231, 237, 228) }
```

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

```
.border{ border-color:rgb(231, 237, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 237, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
228) }
```

# Background

The CSS property to change the background color of an element to RYB 228, 237, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 228) }
```

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

```
.background{ background-color: rgb(231,  
237, 228) }
```

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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