

Converting Colors

`RYB(228, 233, 234)`

Have a look what the booklet for RYB(228, 233, 234) contains.

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Color

R_YB(228, 233, 234)

Conversions

Conversions Part 1

Format	Color
Hex	E4EAE5
RGB	228, 234, 229
RGB Percent	89%, 92%, 90%
CMY	0.1059, 0.0824, 0.1012
CMYK	0.03, 0.00, 0.02, 0.08
HSL	132°, 12%, 91%
HSV	132°, 3%, 92%
XYZ	75.5885, 81.0079, 85.9274
YIQ	231.6360, -1.9710, -2.8270

Conversions

Conversions Part 2

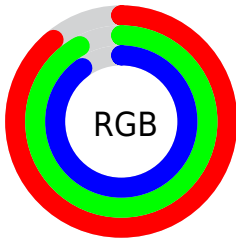
Format	Color
R _Y B	228, 233, 234
Decimal	15002341
CIE Lab	92.14, -2.86, 1.62
CIE LCh	92, 3.283, 150.474
Yxy	81.0079, 0.3117, 0.3340
Android (android.graphics.Color)	4293192421 (0xFFE4EAE5)
YUV	231.6360, -1.2995, -3.1888
Hunter-Lab	90.0044, -7.5978, 6.3988

Details

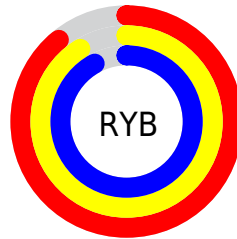
The RYB color **228, 233, 234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 228, 233**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 177, 178** is the 20% darker color. If you saturate the color by 10%, you get **205, 230, 234**, and if you desaturate by 10%, it is **251, 234, 248**.

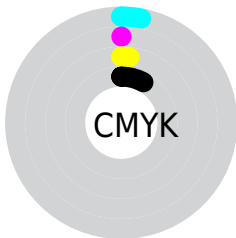
Distribution



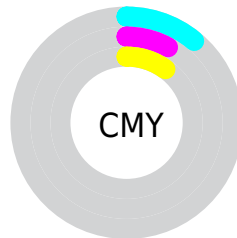
- Red (89%)
- Green (92%)
- Blue (90%)



- Red (89%)
- Yellow (91%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 233, 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, 233, 234 by changing the saturation by 10% instead.

■ 228, 233, 234

255, 255, 255

■ 228, 233, 234

■ 200, 205, 206

■ 173, 177, 178

■ 146, 151, 152

■ 120, 125, 126

■ 96, 100, 101

■ 72, 76, 77

■ 50, 54, 54


■ 29, 33, 33

■ 2, 8, 10

 228, 233, 234

 228, 233, 234

 205, 230, 234


 251, 234, 248

 181, 225, 234

 255, 234, 255

 158, 221, 234


 134, 217, 234

 111, 213, 234

 88, 210, 234

 64, 206, 234

 41, 202, 234

 17, 197, 234

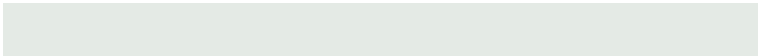
Harmonies

Analogous

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



227, 233, 228



228, 233, 234



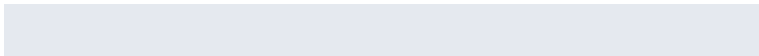
226, 231, 234

Triad

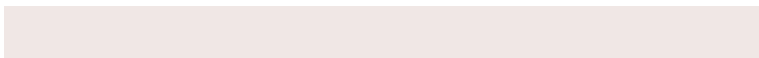
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 233, 234



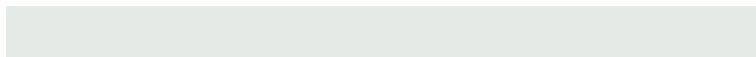
229, 232, 239



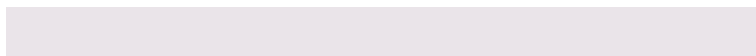
240, 231, 229

Complementary

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



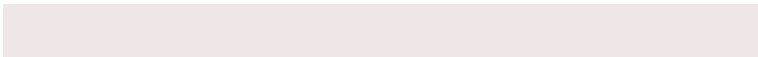
228, 233, 234



234, 228, 233

Split Complementary

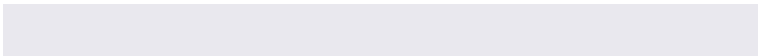
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



239, 230, 232



228, 233, 234



233, 232, 238

Square

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



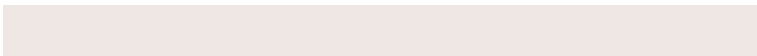
228, 233, 234



226, 231, 238



237, 231, 236



238, 233, 227

Rectangle

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



228, 233, 234



225, 230, 234



237, 231, 236



240, 230, 230

Sweetspot

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



228, 233, 234



252, 254, 255



228, 234, 229



126, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 233, 234



247, 253, 255



228, 232, 234



113, 116, 117



0, 151, 181



0, 45, 54

Inverse Universe

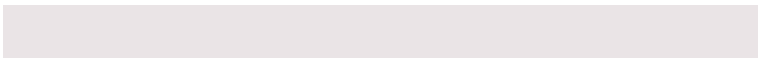
The Inverse Universe completely reimagines the original color for something new.



234, 228, 233



255, 247, 253



234, 228, 230



117, 113, 116



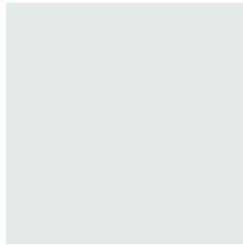
181, 0, 145



54, 0, 43

Previews

White Background



This preview shows how the RYB color 228, 233, 234 looks on a white background.

Color Contrast Check

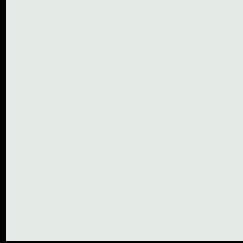
Large Text (above 18pt) WCAG AA × Fail

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, 233, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

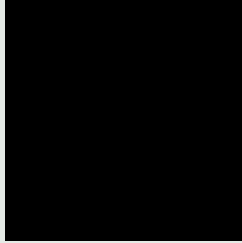
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

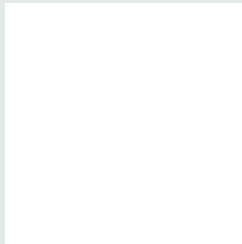
Any Text WCAG AAA ✓ Pass

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

RYB 228, 233, 234 Background



This preview shows how black text looks on a background with the RYB color 228, 233, 234.



This preview shows how white text looks on a background with the RYB color 228, 233, 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

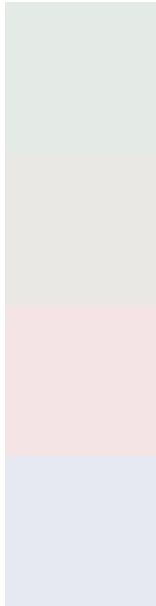




Tritanopia

231, 231, 249

Trichromacy



Original Color

228, 233, 234

Protanomaly

231, 234, 228

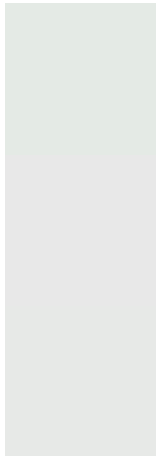
Deuteranomaly

245, 228, 230

Tritanomaly

230, 232, 242

Monochromacy



Original Color

228, 233, 234

Achromatopsia

232, 232, 232

Achromatomaly

231, 233, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 233, 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(228, 234, 229) looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 229)  
}
```

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(228, 234, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 229) }
```

Border

The CSS property to change the border of an element to RYB 228, 233, 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(228, 234, 229) }
```

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

```
.border{ border-color:rgb(228, 234, 229) }
```

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

Here you see how a box with a 4 pixel rgb(228, 234, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 229);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 228, 233, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 234, 229) }
```

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

```
.background{ background-color: rgb(228,  
234, 229) }
```

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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