

Converting Colors

`RYB(224, 228, 234)`

Have a look what the booklet for
RYB(224, 228, 234) contains.

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Color

R_YB(224, 228, 234)

Conversions

Conversions Part 1

Format	Color
Hex	E0E7EA
RGB	224, 231, 234
RGB Percent	88%, 91%, 92%
CMY	0.1216, 0.0954, 0.0824
CMYK	0.04, 0.01, 0.00, 0.08
HSL	200°, 19%, 90%
HSV	200°, 4%, 92%
XYZ	74.0745, 78.7532, 89.1387
YIQ	229.2490, -5.1350, -0.5510

Conversions

Conversions Part 2

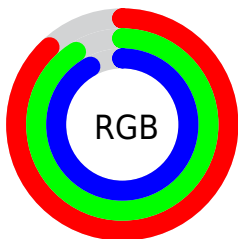
Format	Color
RYB	224, 228, 234
Decimal	14739434
CIELab	91.12, -1.61, -2.40
CIElCh	91, 2.889, 236.245
Yxy	78.7532, 0.3061, 0.3255
Android (android.graphics.Color)	4292929514 (0xFFE0E7EA)
YUV	229.2490, 2.3422, -4.6034
Hunter-Lab	88.7430, -6.3050, 2.5658

Details

The RYB color `224, 228, 234` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `234, 228, 224`, and the grayscale version is `229, 229, 229`.

A 20% lighter version of the original color is `255, 255, 255`, and `169, 173, 178` is the 20% darker color. If you saturate the color by 10%, you get `201, 214, 234`, and if you desaturate by 10%, it is `247, 240, 234`.

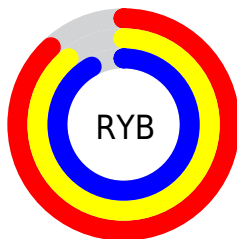
Distribution



Red (88%)

Green (91%)

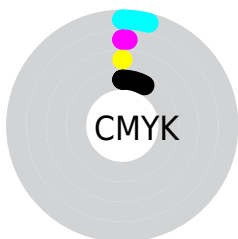
Blue (92%)



Red (88%)

Yellow (89%)

Blue (92%)

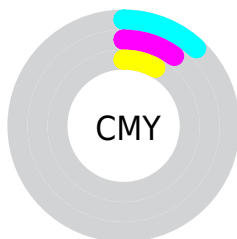


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (10%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 228, 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 224, 228, 234 by changing the saturation by 10% instead.

■ 224, 228, 234

255, 255, 255

■ 224, 228, 234

■ 196, 200, 206

■ 169, 173, 178

■ 142, 146, 152

■ 117, 121, 126

■ 92, 96, 101

■ 69, 72, 77

■ 46, 49, 54

■ 26, 29, 33

■ 0, 4, 10

 224, 228, 234


 224, 228, 234

 201, 214, 234


 247, 240, 234

 177, 200, 234


 250, 255, 234


 154, 186, 234


 235, 255, 234


 130, 171, 234


 234, 255, 234

 107, 158, 234

 84, 144, 234

 60, 130, 234

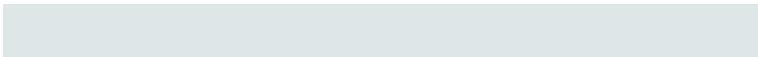
 37, 116, 234

 13, 101, 234

Harmonies

Analogous

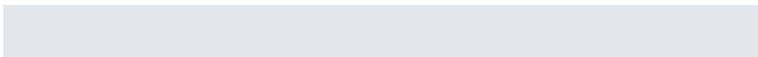
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 227, 232



224, 228, 234



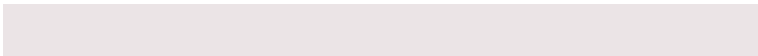
226, 229, 235

Triad

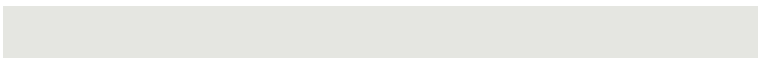
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



224, 228, 234



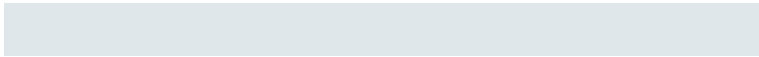
235, 228, 230



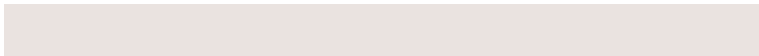
225, 230, 226

Complementary

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



224, 228, 234



234, 228, 224

Split Complementary

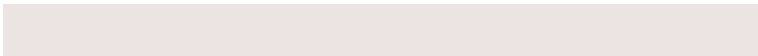
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229, 232, 224



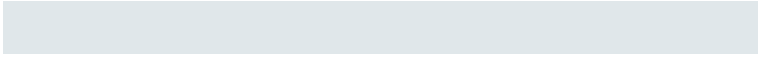
224, 228, 234



236, 228, 227

Square

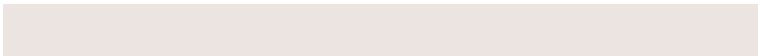
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



224, 228, 234



233, 228, 233



235, 229, 225



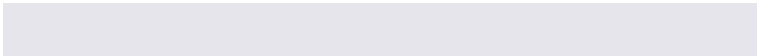
226, 231, 231

Rectangle

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



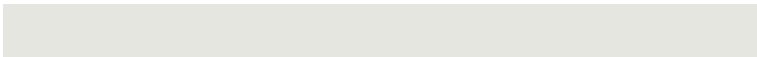
224, 228, 234



229, 229, 235



235, 229, 225



224, 230, 224

Sweetspot

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



224, 228, 234



252, 253, 255



224, 232, 234



126, 127, 128



0, 0, 0



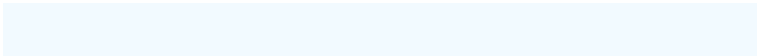
128, 128, 128

Same Dimension

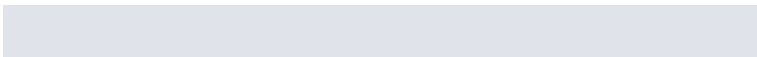
The Same Dimension uses a secret algorithm to generate beautiful new colors.



224, 228, 234



242, 247, 255



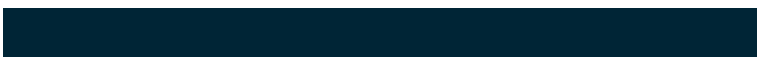
224, 226, 234



110, 113, 117



0, 73, 181



0, 22, 54

Inverse Universe

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



234, 224, 231



255, 242, 251



227, 234, 224



117, 110, 115



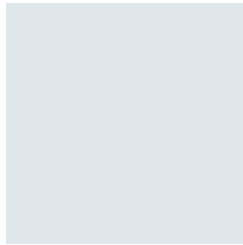
181, 0, 121



54, 0, 36

Previews

White Background



This preview shows how the RYB color 224, 228, 234 looks on a white background.

Color Contrast Check

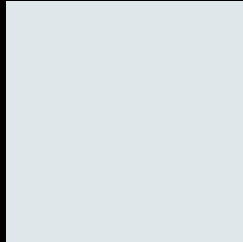
Large Text (above 18pt) WCAG AA × Fail

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 224, 228, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

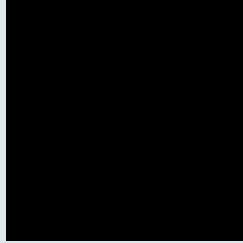
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

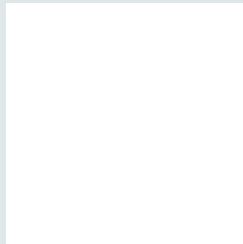
Any Text WCAG AAA ✓ Pass

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

R Y B 224, 228, 234 Background



This preview shows how black text looks on a background with the R Y B color 224, 228, 234.



This preview shows how white text looks on a background with the R Y B color 224, 228, 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

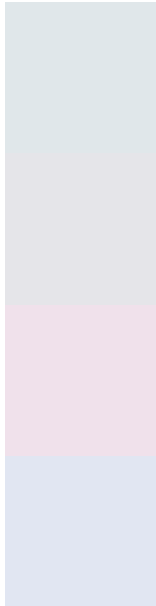




Tritanopia

226, 229, 247

Trichromacy



Original Color

224, 228, 234

Protanomaly

229, 229, 233

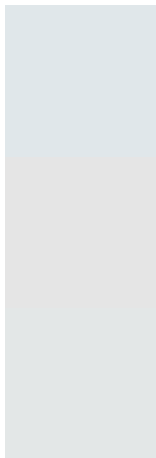
Deuteranomaly

240, 225, 235

Tritanomaly

225, 229, 242

Monochromacy



Original Color

224, 228, 234

Achromatopsia

229, 229, 229

Achromatomaly

227, 229, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 228, 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(224, 231, 234) looks like.

```
.text, #text, p{  
    color:rgb(224, 231, 234)  
}
```

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(224, 231, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 231, 234) }
```

Border

The CSS property to change the border of an element to RYB 224, 228, 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(224, 231, 234) }
```

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

```
.border{ border-color:rgb(224, 231, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 231, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 231, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 231, 234);  
box-shadow:4px 4px 4px 4px rgb(224, 231,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 224, 228, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 231, 234) }
```

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

```
.background{ background-color: rgb(224,  
231, 234) }
```

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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