

Converting Colors

`RYB(228, 230, 232)`

Have a look what the booklet for RYB(228, 230, 232) contains.

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Color

R_YB(228, 230, 232)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E4E8E8 |
| RGB | 228, 232, 232 |
| RGB Percent | 89%, 91%, 91% |
| CMY | 0.1059, 0.0902, 0.0902 |
| CMYK | 0.02, 0.00, 0.00, 0.09 |
| HSL | 180°, 8%, 90% |
| HSV | 180°, 2%, 91% |
| XYZ | 75.4170, 80.0334, 87.8170 |
| YIQ | 230.8040, -2.3840, -0.8480 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 228, 230, 232 |
| Decimal | 15001832 |
| CIE Lab | 91.70, -1.33, -0.48 |
| CIE LCh | 92, 1.414, 199.745 |
| Yxy | 80.0334, 0.3100, 0.3290 |
| Android (android.graphics.Color) | 4293191912 (0xFFE4E8E8) |
| YUV | 230.8040, 0.5896, -2.4591 |
| Hunter-Lab | 89.4614, -6.0798, 4.4228 |

Details

The RYB color **228, 230, 232** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **232, 228, 228**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 175, 176** is the 20% darker color. If you saturate the color by 10%, you get **205, 219, 232**, and if you desaturate by 10%, it is **251, 232, 232**.

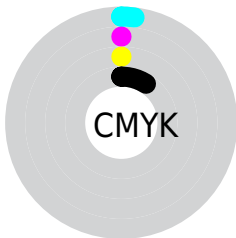
Distribution



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



- Red (89%)
- Yellow (90%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 230, 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 228, 230, 232 by changing the saturation by 10% instead.

■ 228, 230, 232

255, 255, 255

■ 228, 230, 232

■ 200, 202, 204

■ 173, 175, 176

■ 146, 148, 150

■ 120, 122, 124

■ 96, 98, 99

■ 72, 74, 75

■ 50, 52, 53


■ 29, 30, 31

■ 2, 5, 7

 228, 230, 232

 228, 230, 232


 205, 219, 232


 251, 232, 232


 182, 207, 232


 255, 232, 232


 158, 195, 232


 135, 184, 232

 112, 172, 232

 89, 161, 232

 66, 149, 232

 42, 137, 232

 19, 126, 232

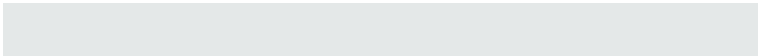
Harmonies

Analogous

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



229, 231, 232



228, 230, 232



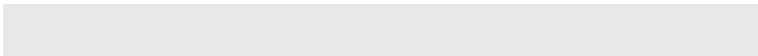
228, 230, 233

Triad

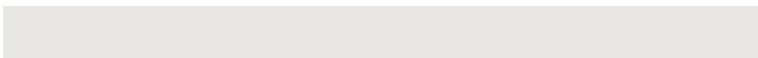
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 230, 232



233, 231, 233



233, 233, 229

Complementary

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



228, 230, 232



232, 228, 228

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.



234, 232, 229



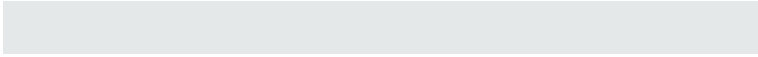
228, 230, 232



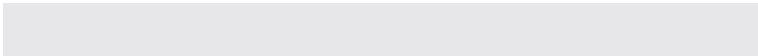
234, 230, 232

Square

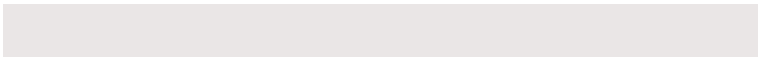
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



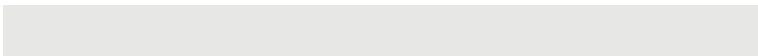
228, 230, 232



231, 231, 234



234, 230, 230



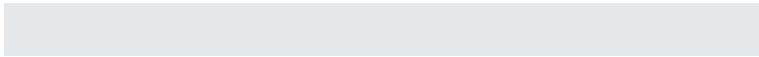
229, 231, 229

Rectangle

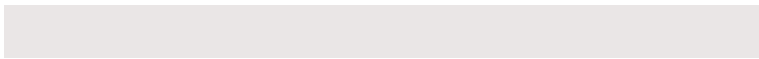
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228, 230, 232



229, 231, 234



234, 230, 230



233, 233, 229

Sweetspot

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



228, 230, 232



252, 254, 255



228, 232, 232



126, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

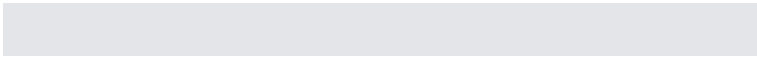
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 230, 232



250, 253, 255



228, 229, 232



112, 114, 115



0, 90, 179



0, 26, 51

Inverse Universe

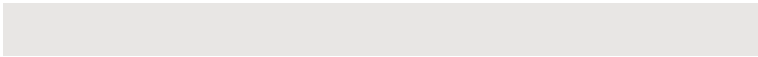
The Inverse Universe completely reimagines the original color for something new.



232, 228, 232



255, 250, 255



232, 232, 228



115, 112, 115



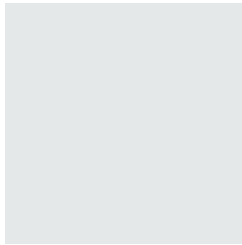
179, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 228, 230, 232 looks on a white background.

Color Contrast Check

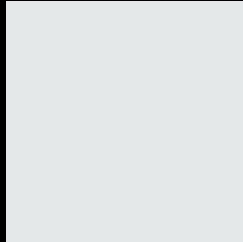
Large Text (above 18pt) WCAG AA × Fail

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 228, 230, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

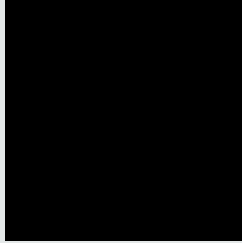
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

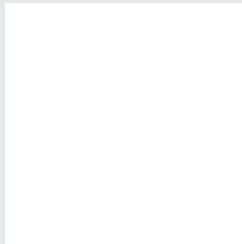
Any Text WCAG AAA ✓ Pass

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

RYB 228, 230, 232 Background



This preview shows how black text looks on a background with the RYB color 228, 230, 232.

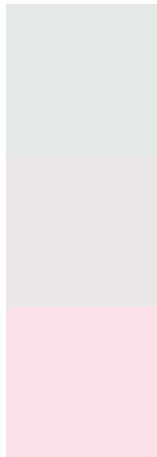


This preview shows how white text looks on a background with the RYB color 228, 230, 232.

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



Original Color
[228](#), [230](#), [232](#)

Protanopia
[235](#), [230](#), [231](#)

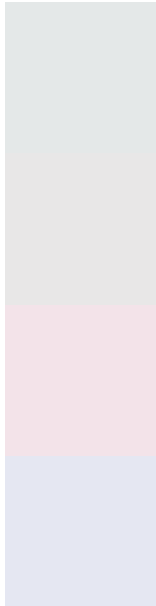
Deuteranopia
[252](#), [224](#), [234](#)



Tritanopia

230, 230, 248

Trichromacy



Original Color

228, 230, 232

Protanomaly

232, 231, 231

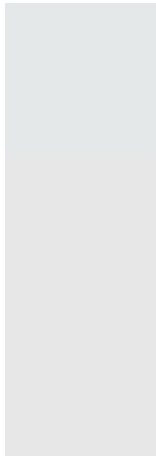
Deuteranomaly

243, 227, 233

Tritanomaly

229, 231, 242

Monochromacy



Original Color

228, 230, 232

Achromatopsia

231, 231, 231

Achromatomaly

230, 231, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 230, 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(228, 232, 232) looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 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(228, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 232) }
```

Border

The CSS property to change the border of an element to RYB 228, 230, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

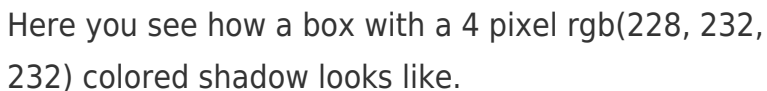
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 232, 232) }
```

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

```
.border{ border-color:rgb(228, 232, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 232, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 232, 232); box-shadow:4px 4px 4px 4px rgb(228, 232, 232) }
```

Background

The CSS property to change the background color of an element to RYB 228, 230, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 232) }
```

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

```
.background{ background-color: rgb(228,  
232, 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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