

Converting Colors

`RYB(232, 229, 231)`

Have a look what the booklet for RYB(232, 229, 231) contains.

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Color

RYB(232, 229, 231)

Conversions

Conversions Part 1

Format	Color
Hex	E8E5E7
RGB	232, 229, 231
RGB Percent	91%, 90%, 91%
CMY	0.0902, 0.1020, 0.0941
CMYK	0.00, 0.01, 0.00, 0.09
HSL	320°, 6%, 90%
HSV	320°, 1%, 91%
XYZ	75.7218, 78.9639, 86.8519
YIQ	230.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

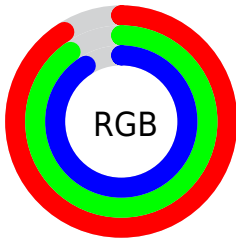
Format	Color
R _Y B	232, 229, 231
Decimal	15263207
CIE Lab	91.22, 1.37, -0.62
CIE LCh	91, 1.505, 335.497
Yxy	78.9639, 0.3135, 0.3269
Android (android.graphics.Color)	4293453287 (0xFFE8E5E7)
YUV	230.1250, 0.4314, 1.6444
Hunter-Lab	88.8617, -3.4024, 4.2541

Details

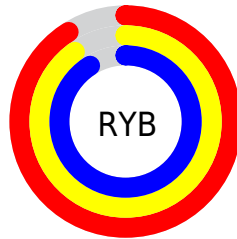
The RYB color **232, 229, 231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **229, 231, 232**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **176, 174, 175** is the 20% darker color. If you saturate the color by 10%, you get **232, 206, 223**, and if you desaturate by 10%, it is **232, 247, 252**.

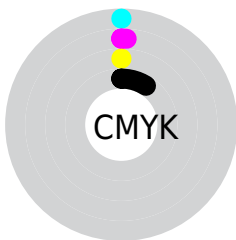
Distribution



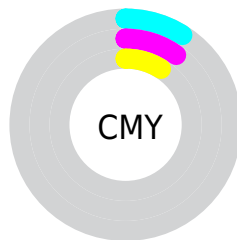
- Red (91%)
- Green (90%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 229, 231 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 232, 229, 231 by changing the saturation by 10% instead.

■ 232, 229, 231

255, 255, 255

■ 232, 229, 231

■ 204, 201, 203

■ 176, 174, 175

■ 150, 147, 149

■ 124, 121, 123

■ 99, 97, 98

■ 75, 73, 74

■ 53, 50, 52

■ 31, 29, 31


■ 7, 3, 6

 232, 229, 231


 232, 229, 231

 232, 206, 223


 232, 247, 252

 232, 183, 216


 232, 246, 255

 232, 159, 208

 232, 244, 255

 232, 136, 200

 232, 244, 255

 232, 113, 192

 232, 90, 185

 232, 67, 177

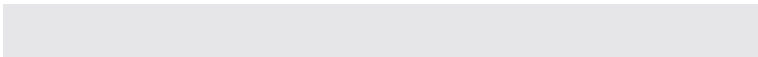
 232, 43, 169

 232, 20, 161

Harmonies

Analogous

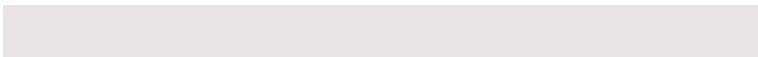
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



230, 229, 232



232, 229, 231



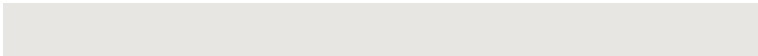
233, 229, 230

Triad

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



232, 229, 231



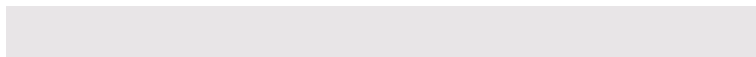
228, 231, 227



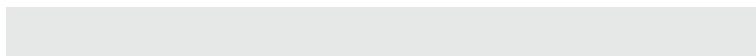
226, 229, 231

Complementary

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



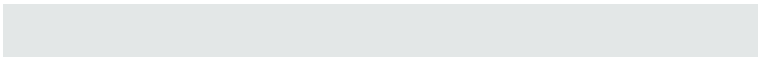
232, 229, 231



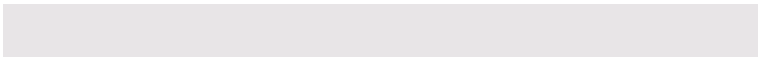
229, 231, 232

Split Complementary

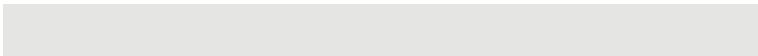
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



227, 229, 231



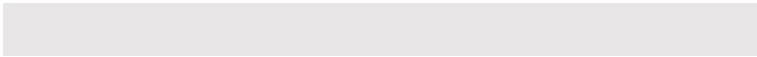
232, 229, 231



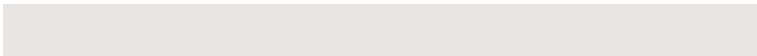
227, 230, 228

Square

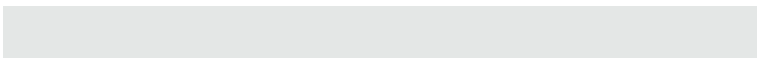
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



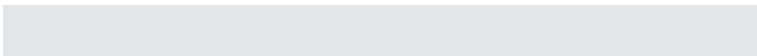
232, 229, 231



232, 230, 227



228, 230, 231



227, 229, 232

Rectangle

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



232, 229, 231



233, 229, 229



228, 230, 231



226, 229, 231

Sweetspot

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



232, 229, 231

255, 255, 255



230, 229, 232



128, 128, 128



0, 0, 0

Same Dimension

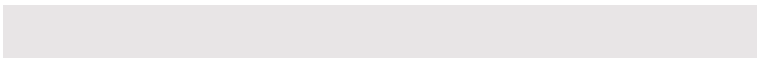
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232, 229, 231



255, 250, 253



232, 229, 230



115, 112, 114



179, 0, 119



51, 0, 34

Inverse Universe

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



232, 229, 231



255, 250, 253



229, 231, 232



115, 112, 114



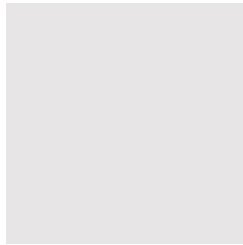
179, 0, 119



51, 0, 34

Previews

White Background



This preview shows how the RYB color 232, 229, 231 looks on a white background.

Color Contrast Check

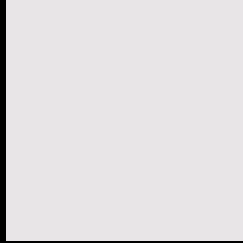
Large Text (above 18pt) WCAG AA × Fail

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 232, 229, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

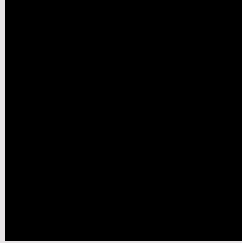
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

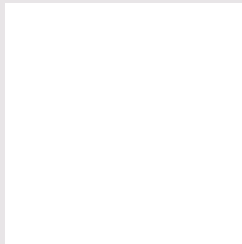
Any Text WCAG AAA ✓ Pass

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

RYB 232, 229, 231 Background



This preview shows how black text looks on a background with the RYB color 232, 229, 231.



This preview shows how white text looks on a background with the RYB color 232, 229, 231.

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

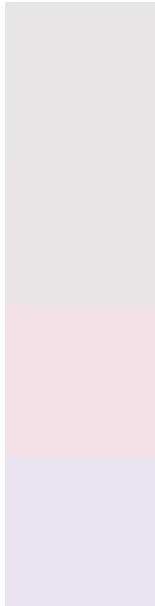
	Original Color 232 , 229 , 231
	Protanopia 233 , 229 , 231
	Deuteranopia 251 , 223 , 232



Tritanopia

234, 227, 245

Trichromacy



Original Color

232, 229, 231

Protanomaly

233, 229, 231

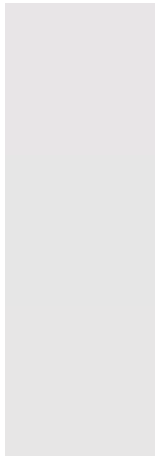
Deuteranomaly

244, 225, 232

Tritanomaly

233, 228, 240

Monochromacy



Original Color

232, 229, 231

Achromatopsia

230, 230, 230

Achromatomaly

231, 230, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 229, 231 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(232, 229, 231) looks like.

```
.text, #text, p{  
    color:rgb(232, 229, 231)  
}
```

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(232, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 229, 231) }
```

Border

The CSS property to change the border of an element to RYB 232, 229, 231 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(232, 229, 231) }
```

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

```
.border{ border-color:rgb(232, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(232, 229,  
231) }
```

Background

The CSS property to change the background color of an element to RGB 232, 229, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 229, 231) }
```

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

```
.background{ background-color: rgb(232,  
229, 231) }
```

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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