

Converting Colors

`RYB(232, 231, 231)`

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

RYB(232, 231, 231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

R_YB(232, 231, 231)

Conversions

Conversions Part 1

Format	Color
Hex	E8E7E7
RGB	232, 231, 231
RGB Percent	91%, 91%, 91%
CMY	0.0902, 0.0941, 0.0941
CMYK	0.00, 0.00, 0.00, 0.09
HSL	0°, 2%, 91%
HSV	0°, 0%, 91%
XYZ	76.2784, 80.0772, 87.0374
YIQ	231.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R _Y B	232, 231, 231
Decimal	15263719
CIE Lab	91.72, 0.34, 0.11
CIE LCh	92, 0.357, 17.709
Yxy	80.0772, 0.3134, 0.3290
Android (android.graphics.Color)	4293453799 (0xFFE8E7E7)
YUV	231.2990, -0.1474, 0.6148
Hunter-Lab	89.4858, -4.4454, 4.9723

Details

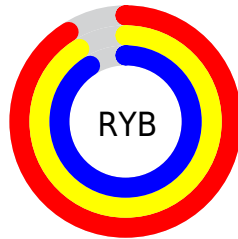
The RYB color **232, 231, 231** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **231, 232, 232**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **176, 175, 175** is the 20% darker color. If you saturate the color by 10%, you get **232, 208, 208**, and if you desaturate by 10%, it is **232, 243, 254**.

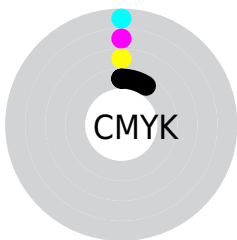
Distribution



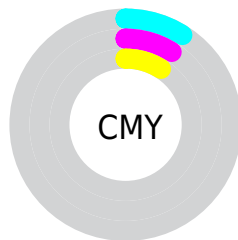
- Red (91%)
- Green (91%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

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

■ 232, 231, 231

255, 255, 255

■ 232, 231, 231

■ 204, 203, 203

■ 176, 175, 175

■ 150, 149, 149

■ 124, 123, 123

■ 99, 98, 98

■ 75, 74, 74

■ 53, 52, 52

■ 31, 31, 31


■ 7, 6, 6

 232, 231, 231


 232, 231, 231

 232, 208, 208


 232, 243, 254

 232, 185, 185

 232, 244, 255

 232, 161, 161

 232, 138, 138

 232, 115, 115

 232, 92, 92

 232, 69, 69

 232, 45, 45

 232, 22, 22

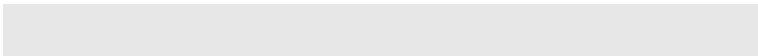
Harmonies

Triad

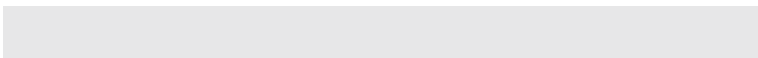
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



232, 231, 231



231, 231, 231



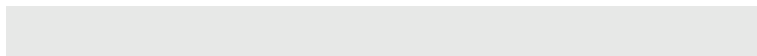
231, 231, 232

Complementary

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



232, 231, 231



231, 232, 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.



230, 231, 232



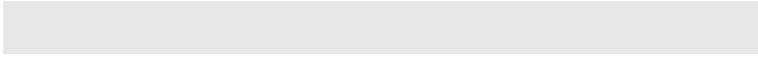
232, 231, 231



231, 231, 231

Square

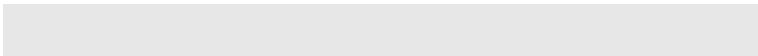
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



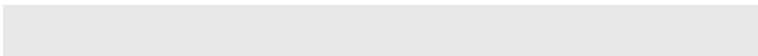
232, 231, 231



231, 231, 231



230, 231, 231



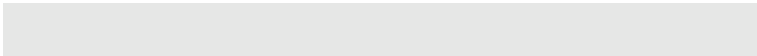
231, 231, 232

Rectangle

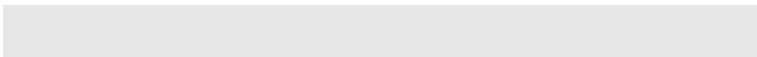
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



232, 231, 231



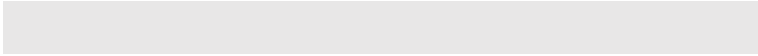
230, 231, 231



231, 231, 232

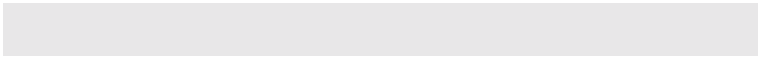
Sweetspot

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



232, 231, 231

255, 255, 255



232, 231, 232



128, 128, 128



0, 0, 0

Same Dimension

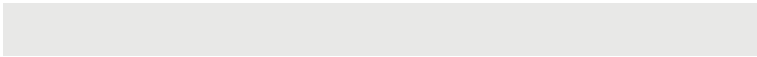
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232, 231, 231



255, 252, 252



231, 232, 231



115, 114, 114



179, 0, 0



51, 0, 0

Inverse Universe

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



231, 232, 232



252, 254, 255



114, 115, 115



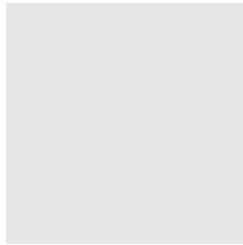
0, 90, 179



0, 26, 51

Previews

White Background



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

Color Contrast Check

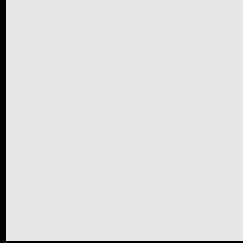
Large Text (above 18pt) WCAG AA × Fail

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, 231, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

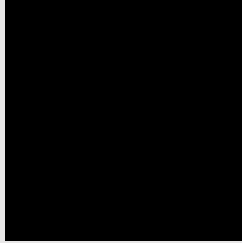
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

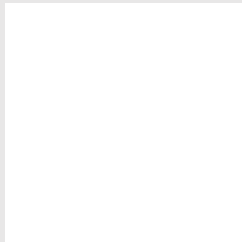
Any Text WCAG AAA ✓ Pass

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

RYB 232, 231, 231 Background



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

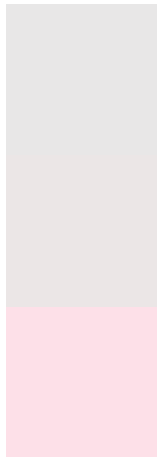


This preview shows how white text looks on a background with the RYB color 232, 231, 231.

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, 231, 231

Protanopia
235, 230, 230

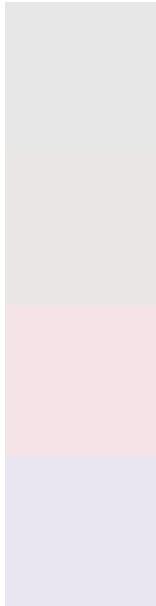
Deuteranopia
253, 224, 232



Tritanopia

234, 229, 247

Trichromacy



Original Color

232, 231, 231

Protanomaly

234, 230, 230

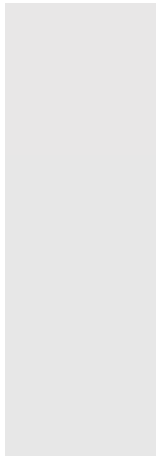
Deuteranomaly

245, 227, 232

Tritanomaly

233, 230, 241

Monochromacy



Original Color

232, 231, 231

Achromatopsia

231, 231, 231

Achromatomaly

231, 231, 231

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(232, 231, 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, 231, 231) colored shadow looks like.

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

Border

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

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

```
.border{ border-color:rgb(232, 231, 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, 231, 231)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to RYB 232, 231, 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, 231, 231) }
```

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

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