

Converting Colors

`RYB(231, 225, 229)`

Have a look what the booklet for
RYB(231, 225, 229) contains.

RYB(231, 225, 229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(231, 225, 229)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1E5
RGB	231, 225, 229
RGB Percent	91%, 88%, 90%
CMY	0.0941, 0.1176, 0.1020
CMYK	0.00, 0.03, 0.01, 0.09
HSL	320°, 11%, 89%
HSV	320°, 3%, 91%
XYZ	74.0231, 76.4965, 84.9926
YIQ	227.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

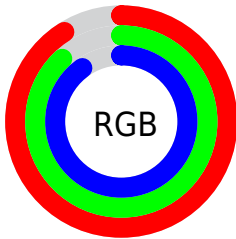
Format	Color
R _{YB}	231, 225, 229
Decimal	15196645
CIE Lab	90.09, 2.74, -1.24
CIE LCh	90, 3.007, 335.718
Yxy	76.4965, 0.3143, 0.3248
Android (android.graphics.Color)	4293386725 (0xFFE7E1E5)
YUV	227.2500, 0.8628, 3.2887
Hunter-Lab	87.4623, -1.9868, 3.6078

Details

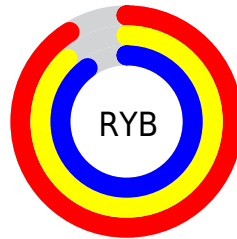
The RYB color **231, 225, 229** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **225, 230, 231**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 170, 174** is the 20% darker color. If you saturate the color by 10%, you get **231, 202, 221**, and if you desaturate by 10%, it is **231, 244, 248**.

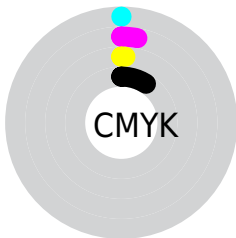
Distribution



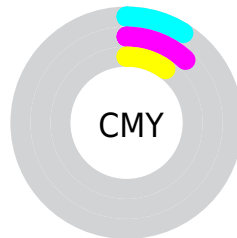
- Red (91%)
- Green (88%)
- Blue (90%)



- Red (91%)
- Yellow (88%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 225, 229 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 231, 225, 229 by changing the saturation by 10% instead.

■ 231, 225, 229

255, 255, 255

■ 231, 225, 229

■ 203, 197, 201

■ 175, 170, 174

■ 149, 143, 147

■ 123, 118, 121

■ 98, 93, 97

■ 74, 70, 73

■ 52, 47, 50

■ 31, 26, 29

■ 6, 0, 3

■ 231, 225, 229

■ 231, 225, 229

■ 231, 202, 221

■ 231, 244, 248

■ 231, 179, 214

■ 231, 247, 255

■ 231, 156, 206

■ 231, 244, 255

■ 231, 133, 198

■ 231, 243, 255

■ 231, 110, 191

■ 231, 86, 183

■ 231, 63, 175

■ 231, 40, 167

■ 231, 17, 160

Harmonies

Analogous

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



228, 226, 231



231, 225, 229



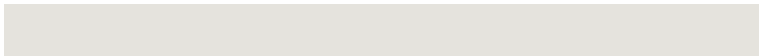
233, 225, 226

Triad

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



231, 225, 229



224, 229, 221



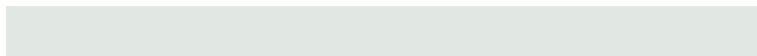
220, 224, 230

Complementary

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



231, 225, 229



225, 230, 231

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.



220, 224, 228



231, 225, 229



222, 227, 224

Square

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



231, 225, 229



231, 231, 221



222, 227, 228



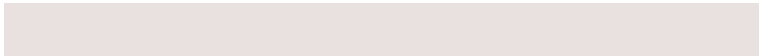
222, 226, 232

Rectangle

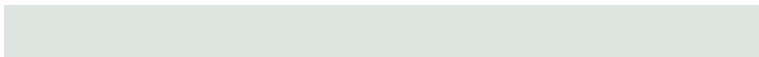
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 225, 229



233, 225, 224



222, 227, 228



220, 224, 229

Sweetspot

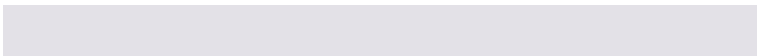
The Sweet Spot groups the original color and five complimentary colors.



231, 225, 229



255, 252, 254



227, 225, 231



128, 126, 127



0, 0, 0



128, 128, 128

Same Dimension

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



231, 225, 229



255, 247, 252



231, 225, 226



115, 110, 113



179, 0, 119



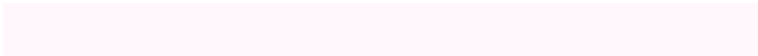
51, 0, 34

Inverse Universe

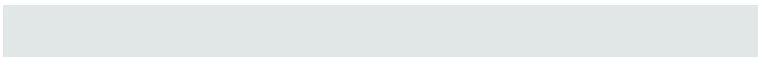
The Inverse Universe completely reimagines the original color for something new.



231, 225, 229



255, 247, 252



225, 228, 231



115, 110, 113



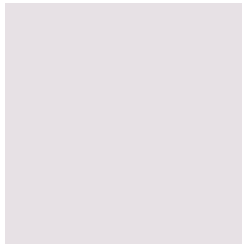
179, 0, 119



51, 0, 34

Previews

White Background



This preview shows how the RYB color 231, 225, 229 looks on a white background.

Color Contrast Check

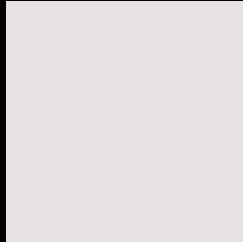
Large Text (above 18pt) WCAG AA × Fail

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 231, 225, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

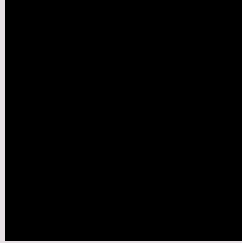
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

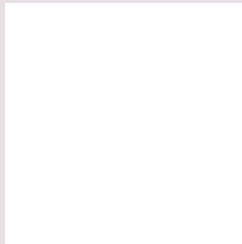
Any Text WCAG AAA ✓ Pass

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

RYB 231, 225, 229 Background



This preview shows how black text looks on a background with the RYB color 231, 225, 229.

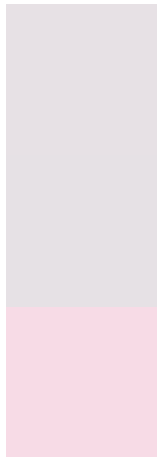


This preview shows how white text looks on a background with the RYB color 231, 225, 229.

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
231, 225, 229

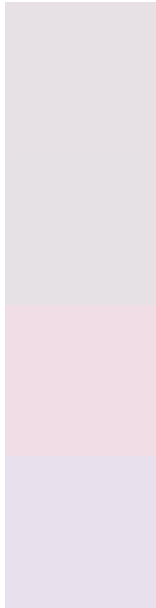
Protanopia
230, 225, 229

Deuteranopia
247, 219, 230



Tritanopia
233, 223, 241

Trichromacy



Original Color

231, 225, 229

Protanomaly

230, 225, 229

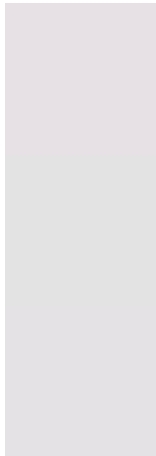
Deuteranomaly

241, 221, 230

Tritanomaly

232, 224, 237

Monochromacy



Original Color

231, 225, 229

Achromatopsia

227, 227, 227

Achromatomaly

228, 226, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 225, 229 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(231, 225, 229) looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 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(231, 225, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 229) }
```

Border

The CSS property to change the border of an element to RYB 231, 225, 229 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(231, 225, 229) }
```

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

```
.border{ border-color:rgb(231, 225, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 229);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 231, 225, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 229) }
```

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

```
.background{ background-color: rgb(231,  
225, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor