

Converting Colors

RYB(221, 229, 222)

Have a look what the booklet for RYB(221, 229, 222) contains.

RYB(221, 229, 222)	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

RYB(221, 229, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E4E5DD
RGB	228, 229, 221
RGB Percent	89%, 90%, 87%
CMY	0.1059, 0.1020, 0.1333
CMYK	0.00, 0.00, 0.03, 0.10
HSL	67°, 13%, 88%
HSV	67°, 3%, 90%
XYZ	73.0654, 77.7531, 79.5635
YIQ	227.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

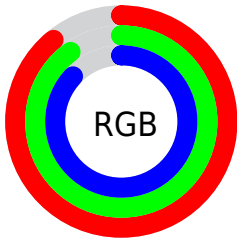
Format	Color
R _Y B	221, 229, 222
Decimal	15001053
CIE Lab	90.67, -1.74, 3.77
CIE LCh	91, 4.150, 114.812
Yxy	77.7531, 0.3171, 0.3375
Android (android.graphics.Color)	4293191133 (0xFFE4E5DD)
YUV	227.7890, -3.3470, 0.1850
Hunter-Lab	88.1777, -6.4032, 8.2265

Details

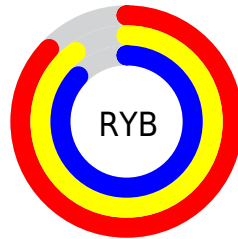
The RYB color **221, 229, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 221, 229**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 174, 167** is the 20% darker color. If you saturate the color by 10%, you get **198, 229, 202**, and if you desaturate by 10%, it is **231, 229, 244**.

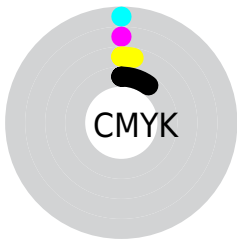
Distribution



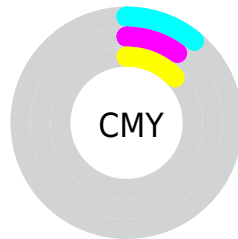
- Red (89%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 229, 222 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 221, 229, 222 by changing the saturation by 10% instead.

■ 221, 229, 222

255, 255, 255

■ 221, 229, 222

■ 193, 201, 194

■ 166, 174, 167

■ 140, 147, 141

■ 114, 121, 115

■ 90, 97, 91

■ 66, 73, 67

■ 44, 50, 45


■ 24, 29, 24

■ 0, 4, 4

 221, 229, 222

 221, 229, 222

 198, 229, 202

 231, 229, 244

 175, 229, 182

 234, 229, 255

 152, 229, 162

 237, 229, 255

 129, 229, 141

 239, 229, 255

 107, 229, 122

 242, 229, 255

 84, 229, 102

 245, 229, 255

 61, 229, 82

 248, 229, 255

 38, 229, 62

 251, 229, 255

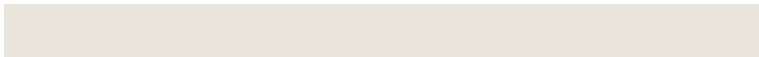
 15, 229, 42

 254, 229, 255

Harmonies

Analogous

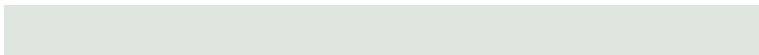
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228, 233, 220



221, 229, 222



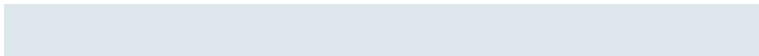
223, 229, 230

Triad

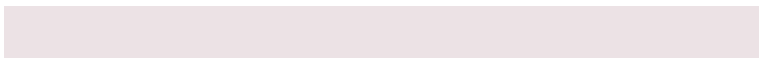
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221, 229, 222



220, 226, 235



236, 226, 229

Complementary

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



221, 229, 222



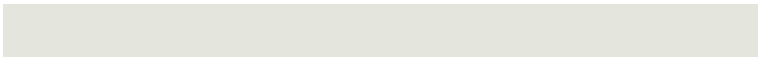
222, 221, 229

Split Complementary

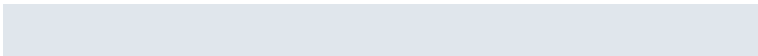
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



233, 226, 233



221, 229, 222



224, 228, 236

Square

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



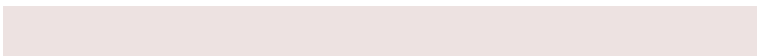
221, 229, 222



219, 225, 231



228, 227, 235



237, 226, 225

Rectangle

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



221, 229, 222



221, 228, 231



228, 227, 235



235, 226, 230

Sweetspot

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



221, 229, 222



252, 255, 252



229, 222, 221



126, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



221, 229, 222



245, 255, 246



221, 229, 226



109, 115, 110



0, 179, 23



0, 51, 6

Inverse Universe

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



222, 221, 229



246, 245, 255



226, 221, 229



110, 109, 115



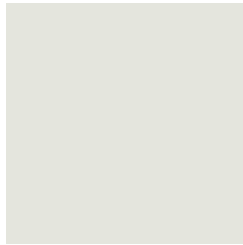
22, 0, 179



6, 0, 51

Previews

White Background



This preview shows how the RYB color 221, 229, 222 looks on a white background.

Color Contrast Check

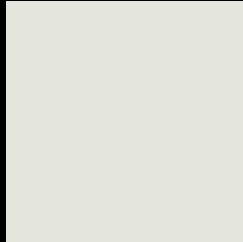
Large Text (above 18pt) WCAG AA × Fail

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 221, 229, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

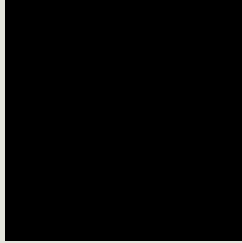
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

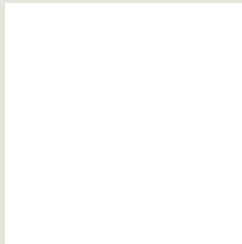
Any Text WCAG AAA ✓ Pass

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

RYB 221, 229, 222 Background



This preview shows how black text looks on a background with the RYB color 221, 229, 222.

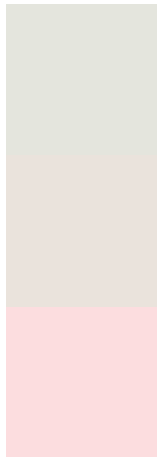


This preview shows how white text looks on a background with the RYB color 221, 229, 222.

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
221, 229, 222

Protanopia
234, 234, 220

Deuteranopia
252, 221, 223



Tritanopia
231, 226, 243

Trichromacy



Original Color

221, 229, 222

Protanomaly

226, 232, 220

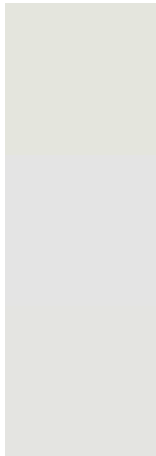
Deuteranomaly

243, 224, 222

Tritanomaly

230, 227, 235

Monochromacy



Original Color

221, 229, 222

Achromatopsia

228, 228, 228

Achromatomaly

225, 228, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 229, 222 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, 229, 221) looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 221)  
}
```

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, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 221) }
```

Border

The CSS property to change the border of an element to RYB 221, 229, 222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

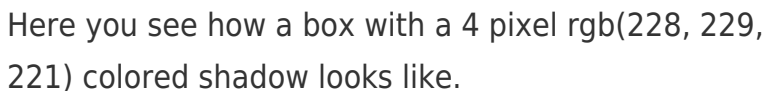
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 229, 221) }
```

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

```
.border{ border-color:rgb(228, 229, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 229, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 229, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 229, 221); box-shadow:4px 4px 4px 4px rgb(228, 229, 221) }
```

Background

The CSS property to change the background color of an element to RYB 221, 229, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 221) }
```

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

```
.background{ background-color: rgb(228,  
229, 221) }
```

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