

Converting Colors

`RYB(228, 221, 233)`

Have a look what the booklet for
RYB(228, 221, 233) contains.

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Color

R_YB(228, 221, 233)

Conversions

Conversions Part 1

Format	Color
Hex	E4DDE9
RGB	228, 221, 233
RGB Percent	89%, 87%, 91%
CMY	0.1059, 0.1333, 0.0863
CMYK	0.02, 0.05, 0.00, 0.09
HSL	275°, 21%, 89%
HSV	275°, 5%, 91%
XYZ	72.5593, 74.0901, 87.5673
YIQ	224.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

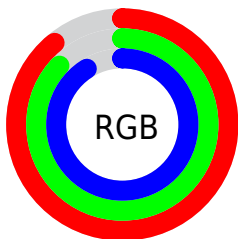
Format	Color
R _Y B	228, 221, 233
Decimal	14999017
CIE Lab	88.97, 4.54, -5.02
CIE LCh	89, 6.762, 312.116
Yxy	74.0901, 0.3098, 0.3163
Android (android.graphics.Color)	4293189097 (0xFFE4DDE9)
YUV	224.4610, 4.2097, 3.1037
Hunter-Lab	86.0756, -0.1617, -0.0646

Details

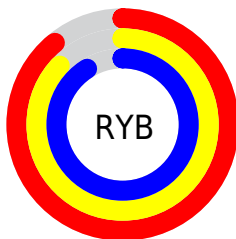
The RYB color **228, 221, 233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **221, 233, 228**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 166, 177** is the 20% darker color. If you saturate the color by 10%, you get **218, 198, 233**, and if you desaturate by 10%, it is **233, 244, 239**.

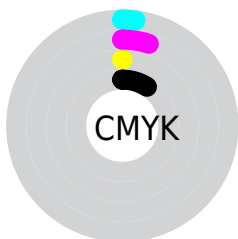
Distribution



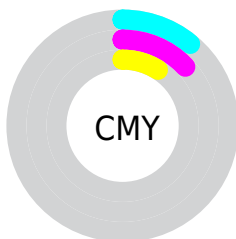
- Red (89%)
- Green (87%)
- Blue (91%)



- Red (89%)
- Yellow (87%)
- Blue (91%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 221, 233 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, 221, 233 by changing the saturation by 10% instead.

■ 228, 221, 233

255, 255, 255

■ 228, 221, 233

■ 200, 193, 205

■ 173, 166, 177

■ 146, 140, 151

■ 120, 114, 125

■ 96, 90, 100

■ 72, 66, 76

■ 49, 44, 53

■ 28, 24, 32

■ 0, 0, 8

■ 228, 221, 233

■ 228, 221, 233

■ 218, 198, 233

■ 233, 244, 239

■ 209, 174, 233

■ 233, 255, 241

■ 199, 151, 233

■ 233, 255, 233

■ 189, 128, 233

■ 179, 105, 233

■ 170, 81, 233

■ 160, 58, 233

■ 150, 35, 233

■ 141, 11, 233

Harmonies

Analogous

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



220, 223, 236



228, 221, 233



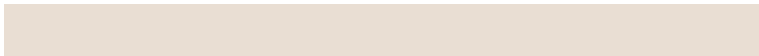
234, 220, 228

Triad

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



228, 221, 233



233, 233, 211



208, 218, 227

Complementary

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



228, 221, 233



221, 233, 228

Split Complementary

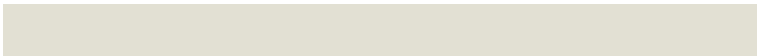
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



212, 222, 227



228, 221, 233



213, 226, 211

Square

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



228, 221, 233



237, 221, 215



214, 226, 221



209, 219, 232

Rectangle

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



228, 221, 233



237, 219, 223



214, 226, 221



209, 219, 227

Sweetspot

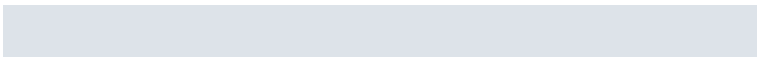
The Sweet Spot groups the original color and five complimentary colors.



228, 221, 233



253, 250, 255



221, 225, 233



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 221, 233



249, 240, 255



233, 221, 232



114, 109, 117



106, 0, 181



31, 0, 54

Inverse Universe

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



233, 221, 226



255, 240, 246



221, 232, 233



117, 109, 113



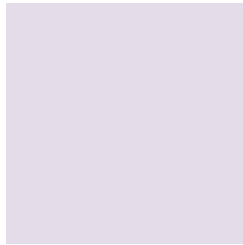
181, 0, 75



54, 0, 22

Previews

White Background



This preview shows how the RYB color 228, 221, 233 looks on a white background.

Color Contrast Check

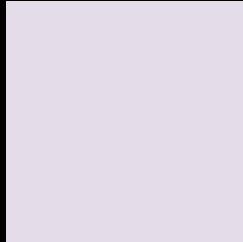
Large Text (above 18pt) WCAG AA × Fail

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, 221, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

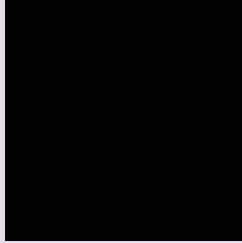
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

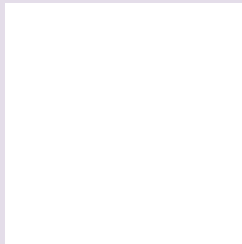
Any Text WCAG AAA ✓ Pass

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

RYB 228, 221, 233 Background



This preview shows how black text looks on a background with the RYB color 228, 221, 233.

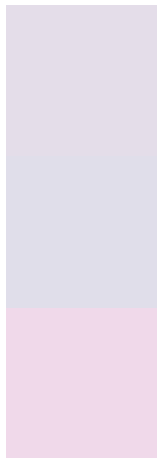


This preview shows how white text looks on a background with the RYB color 228, 221, 233.

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, 221, 233

Protanopia
224, 222, 234

Deuteranopia
240, 217, 234



Tritanopia

229, 220, 238

Trichromacy



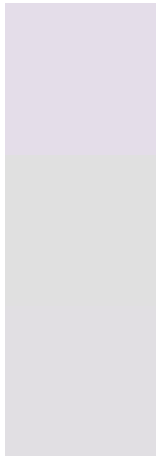
Original Color
228, 221, 233

Protanomaly
225, 222, 234

Deuteranomaly
236, 218, 234

Tritanomaly
229, 220, 236

Monochromacy



Original Color
228, 221, 233

Achromatopsia
224, 224, 224

Achromatomaly
225, 223, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 221, 233 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, 221, 233) looks like.

```
.text, #text, p{  
    color:rgb(228, 221, 233)  
}
```

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, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 221, 233) }
```

Border

The CSS property to change the border of an element to RYB 228, 221, 233 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, 221, 233) }
```

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

```
.border{ border-color:rgb(228, 221, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 221,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 228, 221, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 221, 233) }
```

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

```
.background{ background-color: rgb(228,  
221, 233) }
```

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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