

Converting Colors

`RYB(219, 228, 222)`

Have a look what the booklet for RYB(219, 228, 222) contains.

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Color

R_YB(219, 228, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E1E4DB
RGB	225, 228, 219
RGB Percent	88%, 89%, 86%
CMY	0.1176, 0.1059, 0.1412
CMYK	0.01, 0.00, 0.04, 0.11
HSL	80°, 14%, 88%
HSV	80°, 4%, 89%
XYZ	71.5809, 76.6088, 78.0321
YIQ	226.0770, 1.1010, -3.4350

Conversions

Conversions Part 2

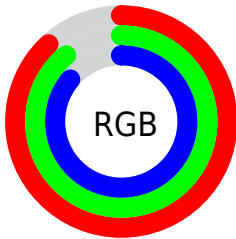
Format	Color
R _Y B	219, 228, 222
Decimal	14804187
CIE Lab	90.14, -2.60, 4.02
CIE LCh	90, 4.790, 122.851
Yxy	76.6088, 0.3164, 0.3386
Android (android.graphics.Color)	4292994267 (0xFFE1E4DB)
YUV	226.0770, -3.4890, -0.9445
Hunter-Lab	87.5265, -7.1904, 8.4100

Details

The RYB color **219, 228, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 219, 228**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **164, 173, 167** is the 20% darker color. If you saturate the color by 10%, you get **196, 228, 207**, and if you desaturate by 10%, it is **233, 228, 242**.

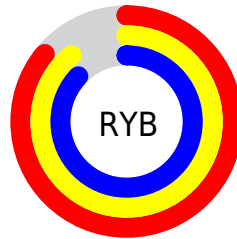
Distribution



Red (88%)

Green (89%)

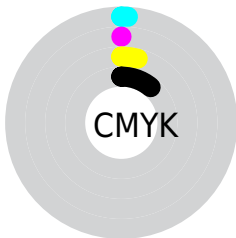
Blue (86%)



Red (86%)

Yellow (89%)

Blue (87%)

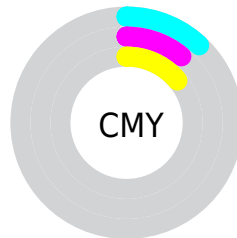


Cyan (1%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 228, 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 219, 228, 222 by changing the saturation by 10% instead.

■ 219, 228, 222

255, 255, 255

■ 219, 228, 222

■ 191, 200, 194

■ 164, 173, 167

■ 138, 146, 141

■ 112, 120, 114

■ 88, 96, 91

■ 65, 72, 68

■ 43, 50, 46

■ 22, 29, 25

■ 0, 1, 1

 219, 228, 222

 219, 228, 222

 196, 228, 207

 233, 228, 242

 173, 228, 191

 240, 228, 255

 151, 228, 177

 248, 228, 255

 128, 228, 161

 255, 228, 255

 105, 228, 146

 82, 228, 131

 59, 228, 115

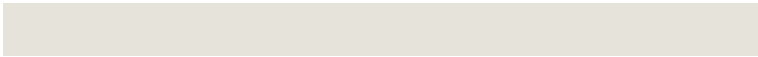
 37, 228, 101

 14, 228, 85

Harmonies

Analogous

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



222, 230, 218



219, 228, 222



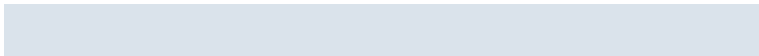
220, 227, 229

Triad

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



219, 228, 222



218, 224, 235



236, 224, 226

Complementary

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



219, 228, 222



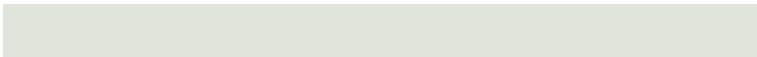
222, 219, 228

Split Complementary

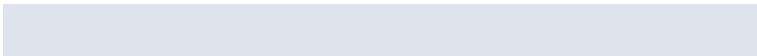
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



233, 224, 231



219, 228, 222



223, 226, 236

Square

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



219, 228, 222



216, 223, 231



228, 225, 234



237, 224, 222

Rectangle

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



219, 228, 222



217, 225, 230



228, 225, 234



236, 224, 228

Sweetspot

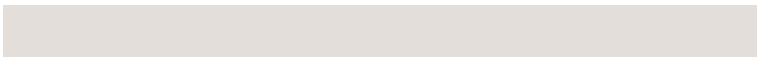
The Sweet Spot groups the original color and five complimentary colors.



219, 228, 222



252, 255, 253



228, 224, 219



126, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



219, 228, 222



242, 255, 246



219, 228, 226



108, 115, 111



0, 179, 60



0, 51, 17

Inverse Universe

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



222, 219, 228



247, 242, 255



227, 219, 228



110, 108, 115



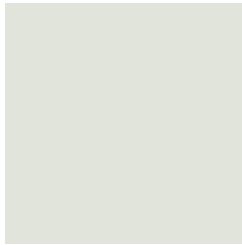
60, 0, 179



17, 0, 51

Previews

White Background



This preview shows how the RYB color 219, 228, 222 looks on a white background.

Color Contrast Check

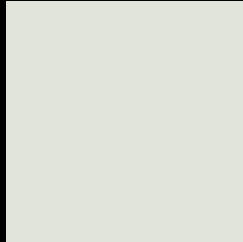
Large Text (above 18pt) WCAG AA × Fail

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 219, 228, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

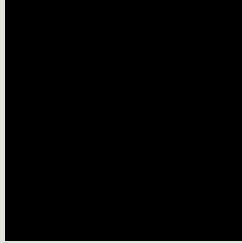
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

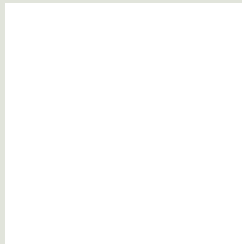
Any Text WCAG AAA ✓ Pass

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

RYB 219, 228, 222 Background



This preview shows how black text looks on a background with the RYB color 219, 228, 222.



This preview shows how white text looks on a background with the RYB color 219, 228, 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](#).

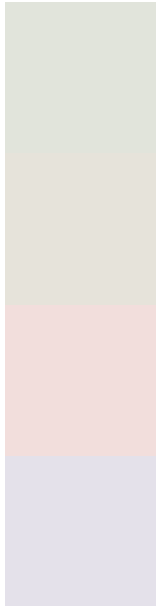
Dichromacy





Tritanopia
229, 224, 242

Trichromacy



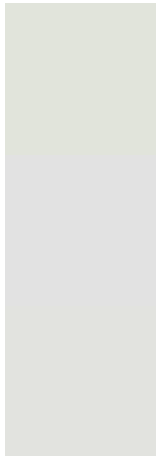
Original Color
219, 228, 222

Protanomaly
222, 230, 218

Deuteranomaly
242, 222, 220

Tritanomaly
228, 225, 234

Monochromacy



Original Color
219, 228, 222

Achromatopsia
226, 226, 226

Achromatomaly
223, 227, 224

CSS Examples

Text

The CSS property to change the color of the text to RGB 219, 228, 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(225, 228, 219) looks like.

```
.text, #text, p{  
    color:rgb(225, 228, 219)  
}
```

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(225, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 228, 219) }
```

Border

The CSS property to change the border of an element to RYB 219, 228, 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(225, 228, 219) }
```

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

```
.border{ border-color:rgb(225, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(225, 228,  
219) }
```

Background

The CSS property to change the background color of an element to RYB 219, 228, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 228, 219) }
```

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

```
.background{ background-color: rgb(225,  
228, 219) }
```

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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