

Converting Colors

`RYB(233, 219, 222)`

Have a look what the booklet for RYB(233, 219, 222) contains.

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Color

$\text{RYB}(233, 219, 222)$

Conversions

Conversions Part 1

Format	Color
Hex	E9DBDE
RGB	233, 219, 222
RGB Percent	91%, 86%, 87%
CMY	0.0863, 0.1412, 0.1294
CMYK	0.00, 0.06, 0.05, 0.09
HSL	347°, 24%, 89%
HSV	347°, 6%, 91%
XYZ	72.1206, 73.2606, 79.4468
YIQ	223.5280, 7.3810, 3.9010

Conversions

Conversions Part 2

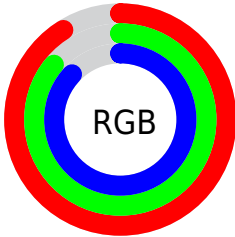
Format	Color
R _Y B	233, 219, 222
Decimal	15326174
CIE Lab	88.57, 5.31, 0.24
CIE LCh	89, 5.313, 2.617
Yxy	73.2606, 0.3208, 0.3259
Android (android.graphics.Color)	4293516254 (0xFFE9DBDE)
YUV	223.5280, -0.7533, 8.3069
Hunter-Lab	85.5924, 0.6183, 4.8818

Details

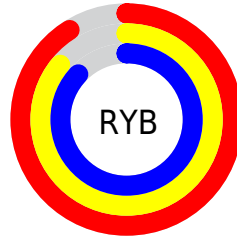
The RYB color **233, 219, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **219, 227, 233**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **177, 164, 167** is the 20% darker color. If you saturate the color by 10%, you get **233, 196, 204**, and if you desaturate by 10%, it is **233, 238, 242**.

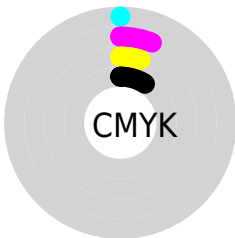
Distribution



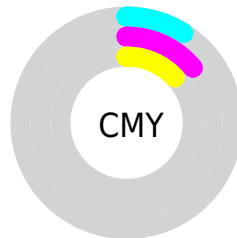
- Red (91%)
- Green (86%)
- Blue (87%)



- Red (91%)
- Yellow (86%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 219, 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 233, 219, 222 by changing the saturation by 10% instead.

■ 233, 219, 222

255, 255, 255

■ 233, 219, 222

■ 205, 191, 194

■ 177, 164, 167

■ 151, 138, 141

■ 125, 112, 115

■ 100, 88, 91

■ 76, 65, 67


■ 53, 43, 45

■ 32, 22, 24


■ 0, 0, 0

 233, 219, 222

 233, 219, 222

 233, 196, 204

 233, 238, 242


 233, 172, 185

 233, 244, 255

 233, 149, 167

 233, 126, 149

 233, 102, 130

 233, 79, 112

 233, 56, 94

 233, 33, 76

 233, 9, 57

Harmonies

Analogous

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



230, 220, 227



233, 219, 222



234, 219, 217

Triad

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



233, 219, 222



214, 224, 218



213, 220, 231

Complementary

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



233, 219, 222



219, 227, 233

Split Complementary

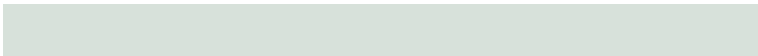
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



210, 218, 228



233, 219, 222



215, 223, 225

Square

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



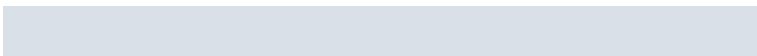
233, 219, 222



218, 226, 212



211, 219, 225



218, 222, 232

Rectangle

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



233, 219, 222



232, 223, 214



211, 219, 225



212, 220, 230

Sweetspot

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



233, 219, 222



255, 250, 251



230, 219, 233



128, 125, 125



0, 0, 0



128, 128, 128

Same Dimension

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



233, 219, 222



255, 237, 241



233, 225, 219



117, 108, 110



181, 0, 39



54, 0, 11

Inverse Universe

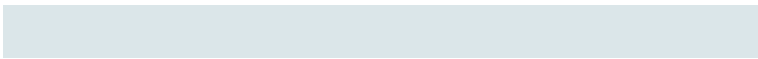
The Inverse Universe completely reimagines the original color for something new.



233, 219, 222



255, 237, 241



219, 225, 233



117, 108, 110



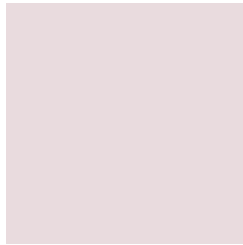
181, 0, 39



54, 0, 11

Previews

White Background



This preview shows how the RYB color 233, 219, 222 looks on a white background.

Color Contrast Check

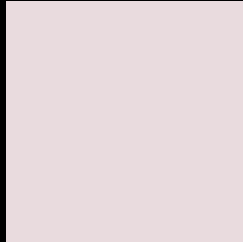
Large Text (above 18pt) WCAG AA × Fail

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 233, 219, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

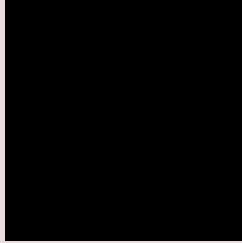
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

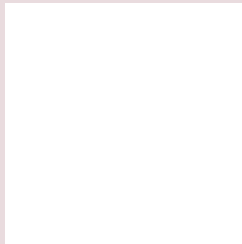
Any Text WCAG AAA ✓ Pass

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

RYB 233, 219, 222 Background



This preview shows how black text looks on a background with the RYB color 233, 219, 222.



This preview shows how white text looks on a background with the RYB color 233, 219, 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](#).

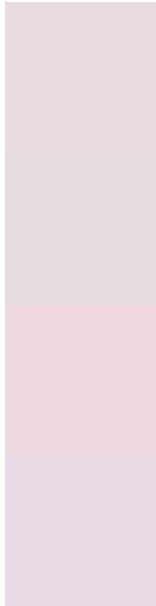
Dichromacy

	Original Color 233, 219, 222
	Protanopia 226, 221, 223
	Deuteranopia 243, 215, 223



Tritanopia
235, 217, 234

Trichromacy



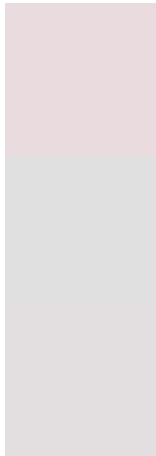
Original Color
233, 219, 222

Protanomaly
229, 220, 223

Deuteranomaly
239, 216, 223

Tritanomaly
234, 218, 230

Monochromacy



Original Color
233, 219, 222

Achromatopsia
224, 224, 224

Achromatomaly
227, 222, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 219, 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(233, 219, 222) looks like.

```
.text, #text, p{  
    color:rgb(233, 219, 222)  
}
```

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(233, 219, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 219, 222) }
```

Border

The CSS property to change the border of an element to RYB 233, 219, 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(233, 219, 222) }
```

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

```
.border{ border-color:rgb(233, 219, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 219, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 219, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 219, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 219,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 233, 219, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 219, 222) }
```

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

```
.background{ background-color: rgb(233,  
219, 222) }
```

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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