

Converting Colors

`RYB(233, 216, 237)`

Have a look what the booklet for
RYB(233, 216, 237) contains.

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Color

`RYB(233, 216, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	E9D8ED
RGB	233, 216, 237
RGB Percent	91%, 85%, 93%
CMY	0.0863, 0.1529, 0.0706
CMYK	0.02, 0.09, 0.00, 0.07
HSL	289°, 37%, 89%
HSV	289°, 9%, 93%
XYZ	73.4462, 72.5498, 90.2532
YIQ	223.4770, 3.3910, 10.1350

Conversions

Conversions Part 2

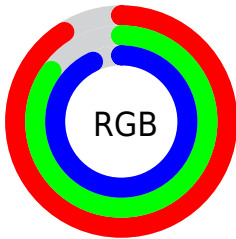
Format	Color
R _Y B	233, 216, 237
Decimal	15325421
CIE Lab	88.23, 9.55, -8.16
CIE LCh	88, 12.560, 319.472
Yxy	72.5498, 0.3109, 0.3071
Android (android.graphics.Color)	4293515501 (0xFFE9D8ED)
YUV	223.4770, 6.6668, 8.3517
Hunter-Lab	85.1762, 4.8597, -3.2008

Details

The RYB color **233, 216, 237** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **216, 237, 233**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **177, 161, 181** is the 20% darker color. If you saturate the color by 10%, you get **228, 192, 237**, and if you desaturate by 10%, it is **237, 240, 239**.

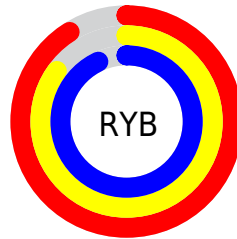
Distribution



Red (91%)

Green (85%)

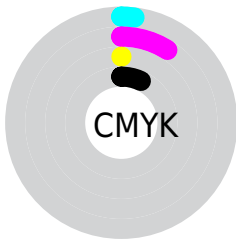
Blue (93%)



Red (91%)

Yellow (85%)

Blue (93%)

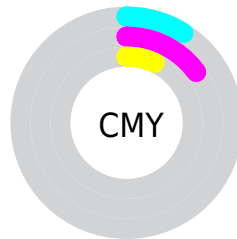


Cyan (2%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 216, 237 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, 216, 237 by changing the saturation by 10% instead.

■ 233, 216, 237

255, 255, 255

■ 233, 216, 237

■ 205, 188, 209

■ 177, 161, 181

■ 151, 135, 154

■ 125, 110, 128

■ 100, 85, 103

■ 76, 62, 79


■ 53, 40, 56

■ 31, 20, 35


■ 0, 0, 12

 233, 216, 237

 233, 216, 237

 228, 192, 237

 237, 240, 239

 224, 169, 237

 237, 255, 250

 219, 145, 237


 237, 255, 245


 215, 121, 237

 237, 255, 241

 210, 97, 237

 237, 255, 237

 206, 74, 237

 201, 50, 237

 197, 26, 237

 192, 3, 237

Harmonies

Analogous

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



219, 220, 244



233, 216, 237



243, 214, 226

Triad

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



233, 216, 237



229, 236, 198



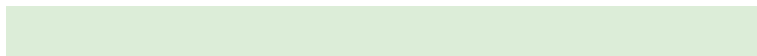
192, 210, 229

Complementary

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



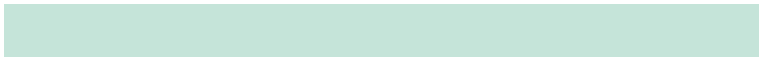
233, 216, 237



216, 237, 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.



197, 216, 228



233, 216, 237



199, 223, 199

Square

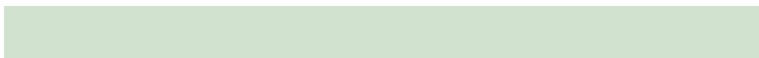
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



233, 216, 237



245, 221, 204



206, 226, 223



194, 213, 239

Rectangle

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



233, 216, 237



247, 213, 218



206, 226, 223



193, 212, 229

Sweetspot

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



233, 216, 237



254, 247, 255



216, 219, 237



127, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 216, 237



250, 227, 255



237, 216, 231



115, 106, 117



147, 0, 181



43, 0, 54

Inverse Universe

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



237, 216, 220



255, 227, 232



216, 232, 237



117, 106, 108



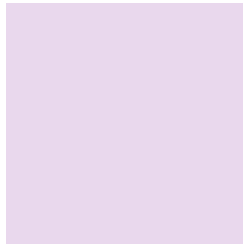
181, 0, 34



54, 0, 10

Previews

White Background



This preview shows how the RYB color 233, 216, 237 looks on a white background.

Color Contrast Check

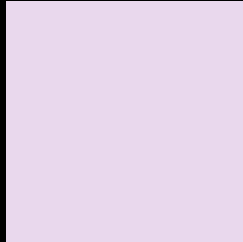
Large Text (above 18pt) WCAG AA × Fail

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, 216, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

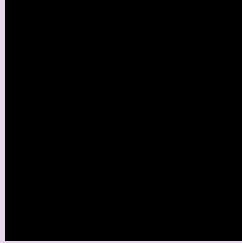
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

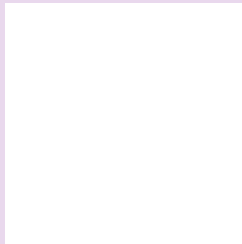
Any Text WCAG AAA ✓ Pass

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

RYB 233, 216, 237 Background



This preview shows how black text looks on a background with the RYB color 233, 216, 237.



This preview shows how white text looks on a background with the RYB color 233, 216, 237.

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, 216, 237

Protanopia
220, 220, 239

Deuteranopia
236, 215, 237



Tritanopia
232, 217, 234

Trichromacy



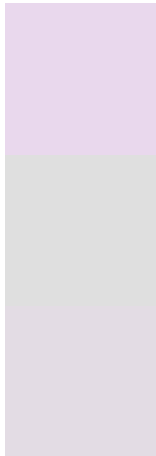
Original Color
233, 216, 237

Protanomaly
225, 219, 238

Deuteranomaly
235, 215, 237

Tritanomaly
232, 217, 235

Monochromacy



Original Color
233, 216, 237

Achromatopsia
223, 223, 223

Achromatomaly
227, 220, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 216, 237 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, 216, 237) looks like.

```
.text, #text, p{  
    color:rgb(233, 216, 237)  
}
```

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, 216, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 216, 237) }
```

Border

The CSS property to change the border of an element to RYB 233, 216, 237 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, 216, 237) }
```

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

```
.border{ border-color:rgb(233, 216, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 216, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 216, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 216, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 216,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 233, 216, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 216, 237) }
```

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

```
.background{ background-color: rgb(233,  
216, 237) }
```

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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