

Converting Colors

`RYB(233, 228, 238)`

Have a look what the booklet for
RYB(233, 228, 238) contains.

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Color

R_YB(233, 228, 238)

Conversions

Conversions Part 1

Format	Color
Hex	E9E4EE
RGB	233, 228, 238
RGB Percent	91%, 89%, 93%
CMY	0.0863, 0.1059, 0.0667
CMYK	0.02, 0.04, 0.00, 0.07
HSL	270°, 23%, 91%
HSV	270°, 4%, 93%
XYZ	76.7803, 78.9835, 92.0875
YIQ	230.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

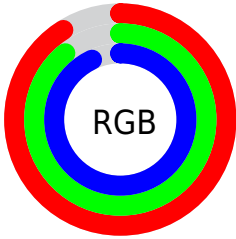
Format	Color
R _Y B	233, 228, 238
Decimal	15328494
CIE Lab	91.23, 3.48, -4.26
CIE LCh	91, 5.504, 309.229
Yxy	78.9835, 0.3098, 0.3187
Android (android.graphics.Color)	4293518574 (0xFFE9E4EE)
YUV	230.6350, 3.6309, 2.0741
Hunter-Lab	88.8727, -1.3146, 0.7761

Details

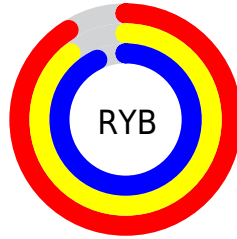
The RYB color **233, 228, 238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **228, 238, 233**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **177, 173, 182** is the 20% darker color. If you saturate the color by 10%, you get **221, 204, 238**, and if you desaturate by 10%, it is **238, 252, 245**.

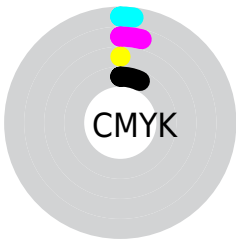
Distribution



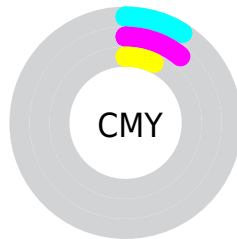
- Red (91%)
- Green (89%)
- Blue (93%)



- Red (91%)
- Yellow (89%)
- Blue (93%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 228, 238 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, 228, 238 by changing the saturation by 10% instead.

■ 233, 228, 238

255, 255, 255

■ 233, 228, 238

■ 205, 200, 210

■ 177, 173, 182

■ 151, 146, 155

■ 125, 120, 129

■ 100, 96, 104

■ 76, 72, 80


■ 53, 50, 57

■ 32, 29, 36

■ 9, 2, 14

 233, 228, 238

 233, 228, 238


 221, 204, 238

 238, 252, 245

 209, 180, 238


 238, 255, 238


 197, 157, 238


 185, 133, 238

 173, 109, 238

 162, 85, 238

 150, 61, 238

 138, 38, 238

 126, 14, 238

Harmonies

Analogous

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



227, 229, 240



233, 228, 238



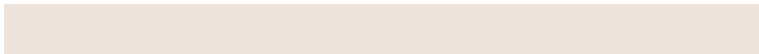
238, 227, 234

Triad

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



233, 228, 238



238, 234, 220



218, 226, 233

Complementary

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



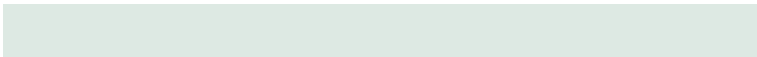
233, 228, 238



228, 238, 233

Split Complementary

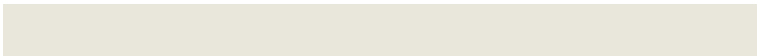
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221, 229, 233



233, 228, 238



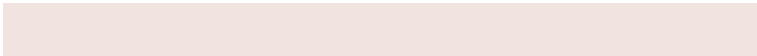
223, 233, 219

Square

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



233, 228, 238



241, 228, 223



222, 232, 228



218, 226, 236

Rectangle

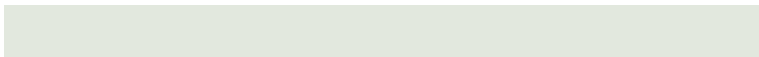
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



233, 228, 238



241, 226, 230



222, 232, 228



218, 227, 233

Sweetspot

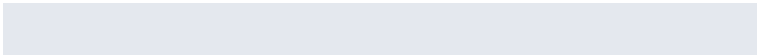
The Sweet Spot groups the original color and five complimentary colors.



233, 228, 238



254, 252, 255



228, 231, 238



127, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 228, 238



249, 242, 255



238, 228, 238



116, 113, 120



92, 0, 184



28, 0, 56

Inverse Universe

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



238, 228, 233



255, 242, 249



228, 238, 238



120, 113, 116



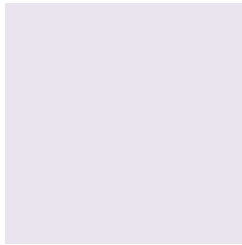
184, 0, 92



56, 0, 28

Previews

White Background



This preview shows how the RYB color 233, 228, 238 looks on a white background.

Color Contrast Check

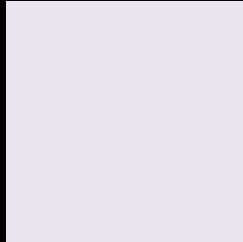
Large Text (above 18pt) WCAG AA × Fail

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, 228, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

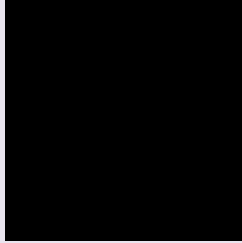
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

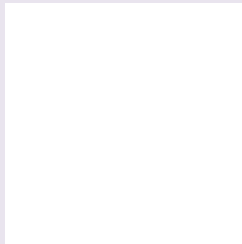
Any Text WCAG AAA ✓ Pass

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

R/Y/B 233, 228, 238 Background



This preview shows how black text looks on a background with the R/Y/B color 233, 228, 238.

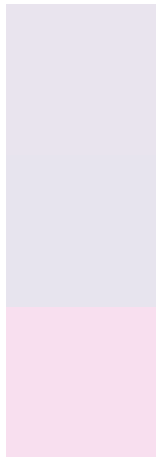


This preview shows how white text looks on a background with the R/Y/B color 233, 228, 238.

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, 228, 238

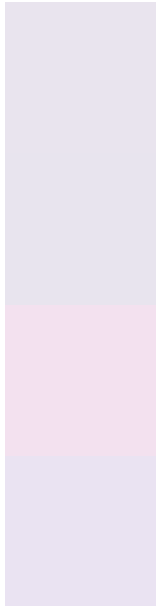
Protanopia
231, 228, 238

Deuteranopia
248, 223, 239



Tritanopia
234, 227, 245

Trichromacy



Original Color

233, 228, 238

Protanomaly

232, 228, 238

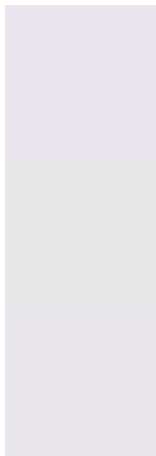
Deuteranomaly

243, 225, 239

Tritanomaly

234, 227, 242

Monochromacy



Original Color

233, 228, 238

Achromatopsia

231, 231, 231

Achromatomaly

232, 230, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 228, 238 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, 228, 238) looks like.

```
.text, #text, p{  
    color:rgb(233, 228, 238)  
}
```

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, 228, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 238) }
```

Border

The CSS property to change the border of an element to RYB 233, 228, 238 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, 228, 238) }
```

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

```
.border{ border-color:rgb(233, 228, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 228, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 238);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 233, 228, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 228, 238) }
```

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

```
.background{ background-color: rgb(233,  
228, 238) }
```

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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