

Converting Colors

`RYB(233, 232, 242)`

Have a look what the booklet for
RYB(233, 232, 242) contains.

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Color

R_YB(233, 232, 242)

Conversions

Conversions Part 1

Format	Color
Hex	E9E8F2
RGB	233, 232, 242
RGB Percent	91%, 91%, 95%
CMY	0.0863, 0.0902, 0.0510
CMYK	0.04, 0.04, 0.00, 0.05
HSL	246°, 28%, 93%
HSV	246°, 4%, 95%
XYZ	78.4879, 81.4477, 95.5886
YIQ	233.4390, -2.6140, 3.3220

Conversions

Conversions Part 2

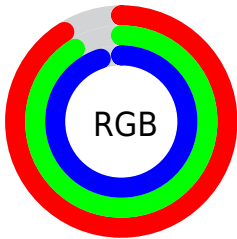
Format	Color
R _Y B	233, 232, 242
Decimal	15329522
CIE Lab	92.33, 2.15, -4.73
CIE LCh	92, 5.194, 294.456
Yxy	81.4477, 0.3072, 0.3187
Android (android.graphics.Color)	4293519602 (0xFFE9E8F2)
YUV	233.4390, 4.2206, -0.3850
Hunter-Lab	90.2484, -2.6954, 0.3755

Details

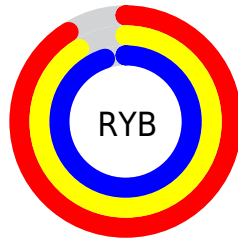
The RYB color **233, 232, 242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **232, 242, 233**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **177, 176, 186** is the 20% darker color. If you saturate the color by 10%, you get **211, 208, 242**, and if you desaturate by 10%, it is 242, 255, 242.

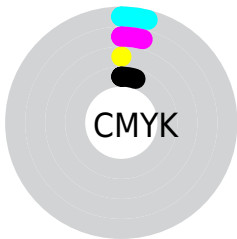
Distribution



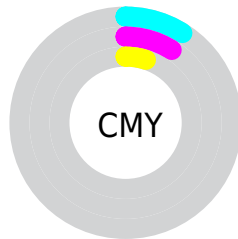
- Red (91%)
- Green (91%)
- Blue (95%)



- Red (91%)
- Yellow (91%)
- Blue (95%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 232, 242 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, 232, 242 by changing the saturation by 10% instead.

■ 233, 232, 242

255, 255, 255

■ 233, 232, 242

■ 205, 204, 214

■ 177, 176, 186

■ 151, 150, 159

■ 125, 124, 133

■ 100, 99, 108

■ 76, 75, 83

■ 53, 53, 60

■ 32, 31, 39

■ 9, 7, 18


 233, 232, 242

 233, 232, 242


 211, 208, 242

 242, 255, 242


 189, 184, 242

 168, 159, 242


 146, 135, 242

 124, 111, 242

 102, 87, 242

 81, 63, 242

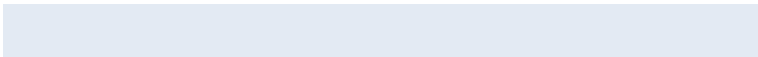
 59, 38, 242

 37, 14, 242

Harmonies

Analogous

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



227, 232, 243



233, 232, 242



239, 231, 239

Triad

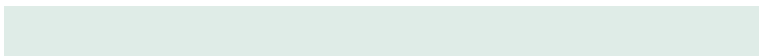
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233, 232, 242



243, 234, 225



223, 231, 236

Complementary

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



233, 232, 242



232, 242, 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.



227, 235, 235



233, 232, 242



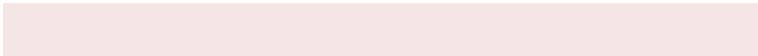
233, 238, 223

Square

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



233, 232, 242



244, 230, 229



224, 234, 225



221, 229, 237

Rectangle

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



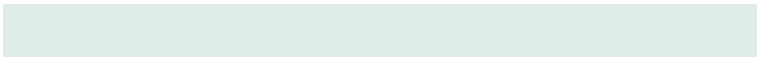
233, 232, 242



242, 230, 236



224, 234, 225



224, 232, 236

Sweetspot

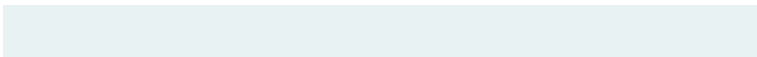
The Sweet Spot groups the original color and five complimentary colors.



233, 232, 242



253, 252, 255



232, 237, 242



126, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 232, 242



244, 242, 255



238, 232, 242



113, 113, 120



18, 0, 184



6, 0, 56

Inverse Universe

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



242, 232, 241



255, 242, 254



232, 242, 238



120, 113, 119



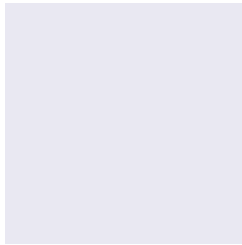
184, 0, 165



56, 0, 50

Previews

White Background



This preview shows how the RYB color 233, 232, 242 looks on a white background.

Color Contrast Check

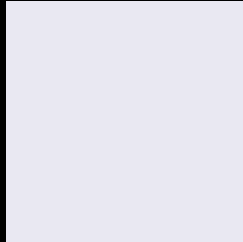
Large Text (above 18pt) WCAG AA × Fail

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, 232, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

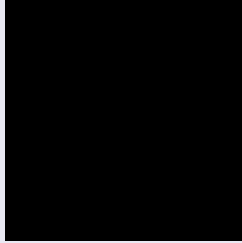
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

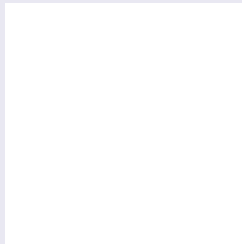
Any Text WCAG AAA ✓ Pass

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

RYB 233, 232, 242 Background



This preview shows how black text looks on a background with the RYB color 233, 232, 242.

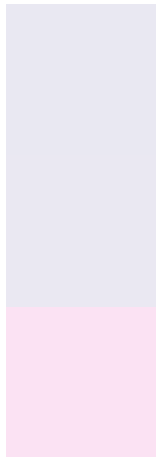


This preview shows how white text looks on a background with the RYB color 233, 232, 242.

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, 232, 242

Protanopia
234, 232, 242

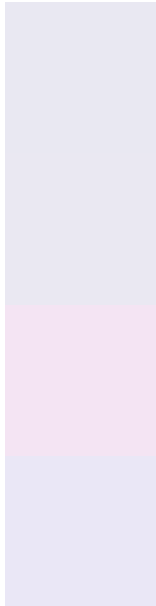
Deuteranopia
251, 226, 243



Tritanopia

234, 231, 249

Trichromacy



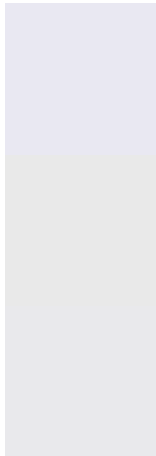
Original Color
233, 232, 242

Protanomaly
234, 232, 242

Deuteranomaly
244, 228, 243

Tritanomaly
234, 231, 246

Monochromacy



Original Color
233, 232, 242

Achromatopsia
233, 233, 233

Achromatomaly
233, 233, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 232, 242 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, 232, 242) looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 242)  
}
```

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, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 242) }
```

Border

The CSS property to change the border of an element to RYB 233, 232, 242 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, 232, 242) }
```

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

```
.border{ border-color:rgb(233, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 233, 232, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 242) }
```

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

```
.background{ background-color: rgb(233,  
232, 242) }
```

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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