

Converting Colors

`RYB(237, 233, 249)`

Have a look what the booklet for RYB(237, 233, 249) contains.

RYB(237, 233, 249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(237, 233, 249)

Conversions

Conversions Part 1

Format	Color
Hex	EDE9F9
RGB	237, 233, 249
RGB Percent	93%, 91%, 98%
CMY	0.0706, 0.0863, 0.0235
CMYK	0.05, 0.06, 0.00, 0.02
HSL	255°, 57%, 95%
HSV	255°, 6%, 98%
XYZ	81.1628, 83.1219, 101.3889
YIQ	236.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

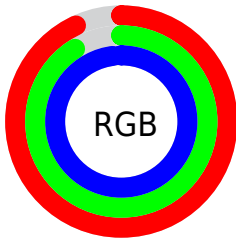
Format	Color
R_{YB}	237, 233, 249
Decimal	15591929
CIE _{Lab}	93.07, 4.24, -7.25
CIE _{LCh}	93, 8.403, 300.318
Yxy	83.1219, 0.3055, 0.3129
Android (android.graphics.Color)	4293782009 (0xFFE9E9F9)
YUV	236.0200, 6.3991, 0.8595
Hunter-Lab	91.1712, -0.6446, -2.1149

Details

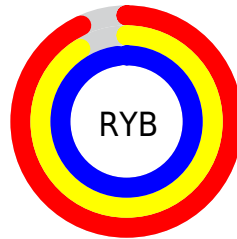
The RYB color **237, 233, 249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **233, 249, 237**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is 255, 255, 255, and **181, 177, 193** is the 20% darker color. If you saturate the color by 10%, you get **218, 208, 249**, and if you desaturate by 10%, it is 249, 255, 249.

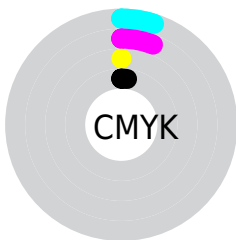
Distribution



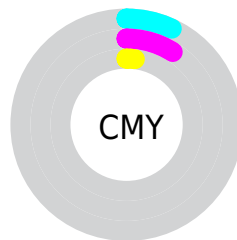
- Red (93%)
- Green (91%)
- Blue (98%)



- Red (93%)
- Yellow (91%)
- Blue (98%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 233, 249 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 237, 233, 249 by changing the saturation by 10% instead.

■ 237, 233, 249

255, 255, 255

■ 237, 233, 249

■ 209, 205, 220

■ 181, 177, 193

■ 154, 151, 165

■ 128, 125, 139

■ 103, 100, 114

■ 79, 76, 89

■ 56, 53, 66

■ 35, 32, 44

■ 14, 9, 23

237, 233, 249

237, 233, 249

218, 208, 249

249, 255, 249

200, 183, 249

181, 158, 249

162, 133, 249

144, 109, 249

125, 84, 249

106, 59, 249

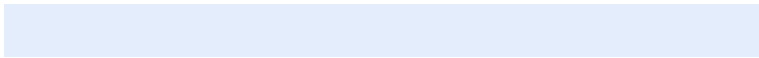
88, 34, 249

69, 9, 249

Harmonies

Analogous

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



227, 234, 251



237, 233, 249



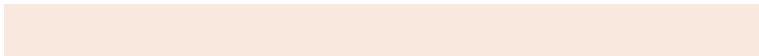
246, 231, 243

Triad

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



237, 233, 249



249, 239, 221



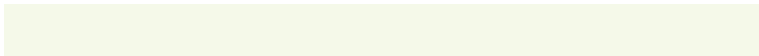
217, 230, 240

Complementary

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



237, 233, 249



233, 249, 237

Split Complementary

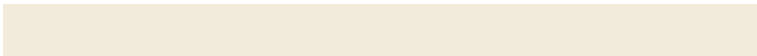
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



224, 237, 239



237, 233, 249



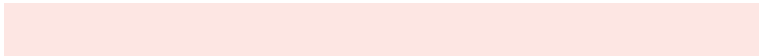
231, 242, 219

Square

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



237, 233, 249



253, 230, 227



221, 237, 225



216, 229, 243

Rectangle

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



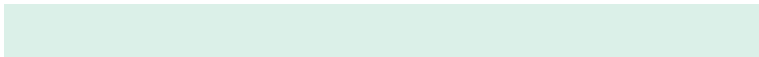
237, 233, 249



250, 230, 238



221, 237, 225



219, 232, 240

Sweetspot

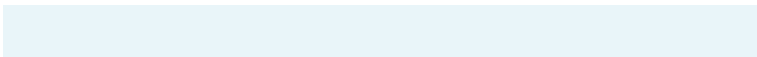
The Sweet Spot groups the original color and five complimentary colors.



237, 233, 249



251, 250, 255



233, 240, 249



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



237, 233, 249



240, 235, 255



245, 233, 249



116, 112, 125



47, 0, 189



15, 0, 61

Inverse Universe

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



249, 233, 245



255, 235, 250



233, 249, 245



125, 112, 122



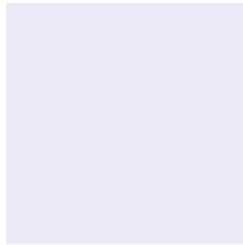
189, 0, 142



61, 0, 46

Previews

White Background



This preview shows how the RYB color 237, 233, 249 looks on a white background.

Color Contrast Check

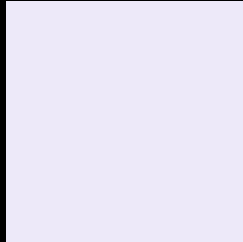
Large Text (above 18pt) WCAG AA × Fail

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 237, 233, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

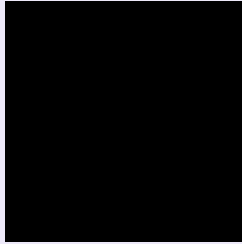
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

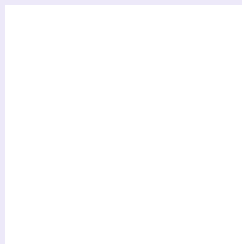
Any Text WCAG AAA ✓ Pass

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

RYB 237, 233, 249 Background



This preview shows how black text looks on a background with the RYB color 237, 233, 249.



This preview shows how white text looks on a background with the RYB color 237, 233, 249.

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
237, 233, 249

Protanopia
235, 234, 249

Deuteranopia
251, 228, 250



Tritanopia
237, 233, 251

Trichromacy



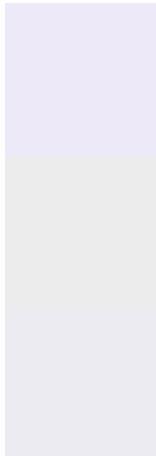
Original Color
237, 233, 249

Protanomaly
236, 234, 249

Deuteranomaly
246, 230, 250

Tritanomaly
237, 233, 250

Monochromacy



Original Color
237, 233, 249

Achromatopsia
236, 236, 236

Achromatomaly
236, 235, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 233, 249 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(237, 233, 249) looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 249)  
}
```

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(237, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 249) }
```

Border

The CSS property to change the border of an element to RYB 237, 233, 249 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(237, 233, 249) }
```

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

```
.border{ border-color:rgb(237, 233, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 233, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 237, 233, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 249) }
```

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

```
.background{ background-color: rgb(237,  
233, 249) }
```

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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