

# Converting Colors

`RYB(233, 209, 250)`

Have a look what the booklet for  
RYB(233, 209, 250) contains.

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# Color

**R<sub>Y</sub>B(233, 209, 250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D1FA
RGB	233, 209, 250
RGB Percent	91%, 82%, 98%
CMY	0.0863, 0.1804, 0.0196
CMYK	0.07, 0.16, 0.00, 0.02
HSL	275°, 80%, 90%
HSV	275°, 16%, 98%
XYZ	73.6601, 69.8267, 100.0381
YIQ	220.8500, 1.1430, 17.8390

# Conversions

## Conversions Part 2

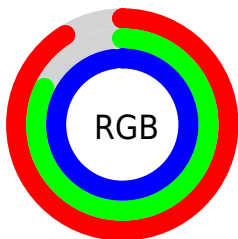
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 209, 250
Decimal	15323642
CIE Lab	86.91, 15.68, -17.00
CIE LCh	87, 23.128, 312.701
Yxy	69.8267, 0.3025, 0.2867
Android (android.graphics.Color)	4293513722 (0xFFE9D1FA)
YUV	220.8500, 14.3710, 10.6556
Hunter-Lab	83.5624, 11.1132, -12.4863

# Details

The RYB color **233, 209, 250** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **209, 250, 233**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is 255, 255, 255, and **177, 155, 193** is the 20% darker color. If you saturate the color by 10%, you get **223, 184, 250**, and if you desaturate by 10%, it is **243, 234, 250**.

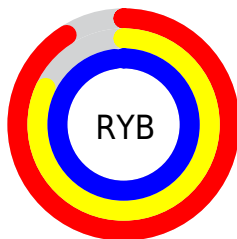
# Distribution



Red (91%)

Green (82%)

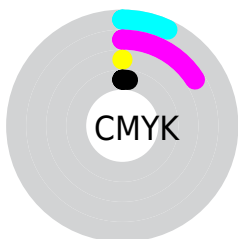
Blue (98%)



Red (91%)

Yellow (82%)

Blue (98%)

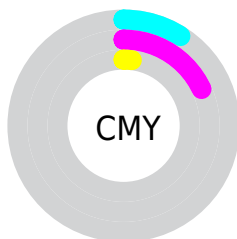


Cyan (7%)

Magenta (16%)

Yellow (0%)

Black (2%)



Cyan (9%)

Magenta (18%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 233, 209, 250 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, 209, 250 by changing the saturation by 10% instead.



■ 233, 209, 250

255, 255, 255

■ 233, 209, 250

■ 205, 181, 221

■ 177, 155, 193

■ 150, 128, 166

■ 124, 103, 140

■ 99, 79, 114

■ 75, 56, 90

■ 52, 34, 66

■ 30, 14, 44

■ 0, 0, 23

233, 209, 250

233, 209, 250

223, 184, 250

243, 234, 250

212, 159, 250

250, 255, 251

202, 134, 250

250, 255, 250

192, 109, 250

181, 84, 250

171, 59, 250

160, 34, 250

150, 9, 250

146, 0, 250

# Harmonies

## Analogous

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



205, 214, 255



233, 209, 250



254, 204, 231

# Triad

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



233, 209, 250



242, 246, 176



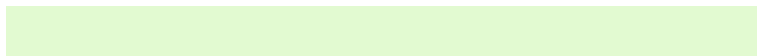
160, 196, 230

# Complementary

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



233, 209, 250



209, 250, 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.



176, 211, 229



233, 209, 250



182, 225, 175

# Square

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



233, 209, 250



255, 212, 189



185, 225, 210



160, 198, 247

# Rectangle

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



233, 209, 250



255, 202, 216



185, 225, 210



164, 200, 230



# Sweetspot

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



233, 209, 250



250, 242, 255



209, 221, 250



124, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



233, 209, 250



234, 204, 255



250, 209, 247



120, 112, 125



110, 0, 189



36, 0, 61



# Inverse Universe

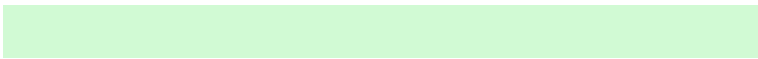
The Inverse Universe completely reimagines the original color for something new.



250, 209, 226



255, 204, 225



209, 247, 250



125, 112, 118



189, 0, 78

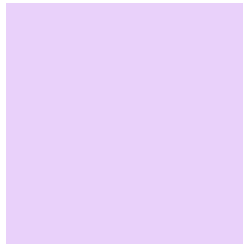


61, 0, 25



# Previews

## White Background



This preview shows how the RYB color 233, 209, 250 looks on a white background.

## Color Contrast Check

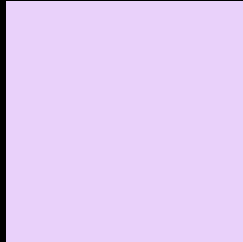
Large Text (above 18pt) WCAG AA × Fail

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, 209, 250 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, 209, 250 Background



This preview shows how black text looks on a background with the R Y B color 233, 209, 250.



This preview shows how white text looks on a background with the R Y B color 233, 209, 250.

# 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, 209, 250

**Protanopia**  
210, 215, 255

**Deuteranopia**  
224, 212, 249



**Tritanopia**  
230, 213, 229

# Trichromacy



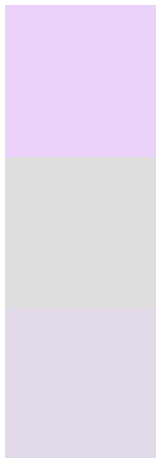
**Original Color**  
233, 209, 250

**Protanomaly**  
218, 213, 253

**Deuteranomaly**  
227, 211, 249

**Tritanomaly**  
231, 212, 237

# Monochromacy



**Original Color**  
233, 209, 250

**Achromatopsia**  
221, 221, 221

**Achromatomaly**  
225, 217, 232

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 233, 209, 250 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, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(233, 209, 250)  
}
```

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, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 209, 250) }
```

## Border

The CSS property to change the border of an element to RYB 233, 209, 250 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, 209, 250) }
```

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

```
.border{ border-color:rgb(233, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(233, 209,  
250) }
```

# Background

The CSS property to change the background color of an element to RYB 233, 209, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 209, 250) }
```

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

```
.background{ background-color: rgb(233,  
209, 250) }
```

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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