

# Converting Colors

`RYB(234, 205, 233)`

Have a look what the booklet for RYB(234, 205, 233) contains.

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# Color

**R<sub>Y</sub>B(234, 205, 233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EACDE9
RGB	234, 205, 233
RGB Percent	92%, 80%, 91%
CMY	0.0824, 0.1961, 0.0863
CMYK	0.00, 0.12, 0.00, 0.08
HSL	302°, 41%, 86%
HSV	302°, 12%, 92%
XYZ	70.4710, 67.0383, 86.3163
YIQ	216.8630, 8.2960, 14.8560

# Conversions

## Conversions Part 2

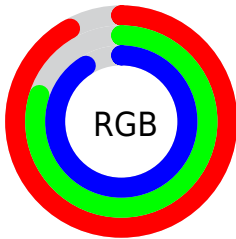
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 205, 233
Decimal	15388137
CIE <sub>Lab</sub>	85.52, 14.94, -10.06
CIE <sub>LCh</sub>	86, 18.014, 326.051
Yxy	67.0383, 0.3148, 0.2995
Android (android.graphics.Color)	4293578217 (0xFFEACDE9)
YUV	216.8630, 7.9555, 15.0291
Hunter-Lab	81.8769, 10.3494, -5.1909

# Details

The RYB color **234, 205, 233** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **205, 233, 234**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is 255, 255, 255, and **178, 151, 177** is the 20% darker color. If you saturate the color by 10%, you get **234, 182, 232**, and if you desaturate by 10%, it is **234, 228, 234**.

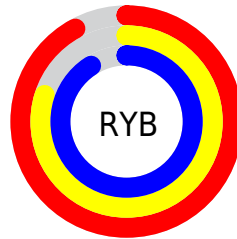
# Distribution



Red (92%)

Green (80%)

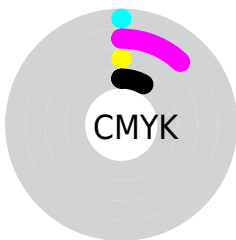
Blue (91%)



Red (92%)

Yellow (80%)

Blue (91%)

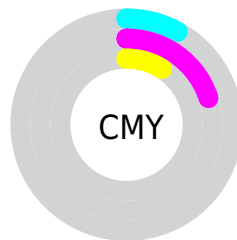


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (20%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 234, 205, 233 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 234, 205, 233 by changing the saturation by 10% instead.




 234, 205, 233

 234, 205, 233


255, 255, 255

 206, 177, 205


 178, 151, 177

 151, 125, 151

 125, 100, 125

 100, 76, 100

 76, 53, 76


 53, 31, 53

 32, 9, 32


 0, 0, 6

 234, 205, 233

 234, 205, 233

 234, 182, 232


 234, 228, 234

 234, 158, 231

 234, 251, 252

 234, 135, 231

 234, 254, 255

 234, 111, 230

 234, 253, 255

 234, 88, 229

 234, 252, 255

 234, 65, 228

 234, 252, 255

 234, 41, 227

 234, 251, 255

 234, 18, 227

 234, 250, 255

 234, 0, 226

# Harmonies

## Analogous

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



214, 210, 244



234, 205, 233



247, 202, 217

# Triad

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



234, 205, 233



208, 230, 180



169, 197, 228

# Complementary

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



234, 205, 233



205, 233, 234

# 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, 204, 224



234, 205, 233



183, 217, 189

# Square

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



234, 205, 233



244, 217, 186



192, 219, 221



175, 202, 241

# Rectangle

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



234, 205, 233



250, 202, 205



192, 219, 221



170, 198, 224



# Sweetspot

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



234, 205, 233



255, 245, 255



206, 205, 234



128, 121, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



234, 205, 233



255, 217, 254



234, 205, 219



117, 106, 117



181, 0, 175



54, 0, 52



# Inverse Universe

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



234, 205, 233



255, 217, 254



205, 224, 234



117, 106, 117



181, 0, 175

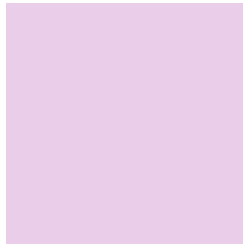


54, 0, 52



# Previews

## White Background



This preview shows how the RYB color 234, 205, 233 looks on a white background.

## Color Contrast Check

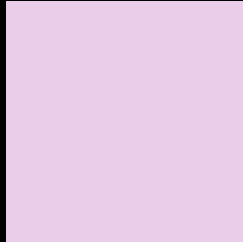
Large Text (above 18pt) WCAG AA × Fail

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 234, 205, 233 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 234, 205, 233 Background**



This preview shows how black text looks on a background with the RYB color 234, 205, 233.



This preview shows how white text looks on a background with the RYB color 234, 205, 233.

# 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**  
234, 205, 233

**Protanopia**  
211, 212, 238

**Deuteranopia**  
226, 208, 232



**Tritanopia**  
233, 207, 223

# Trichromacy



**Original Color**  
234, 205, 233

**Protanomaly**  
219, 209, 236

**Deuteranomaly**  
229, 207, 232

**Tritanomaly**  
233, 206, 227

# Monochromacy



**Original Color**  
234, 205, 233

**Achromatopsia**  
217, 217, 217

**Achromatomaly**  
223, 213, 223

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 234, 205, 233 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(234, 205, 233) looks like.

```
.text, #text, p{  
    color:rgb(234, 205, 233)  
}
```

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(234, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 205, 233) }
```

## Border

The CSS property to change the border of an element to RYB 234, 205, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

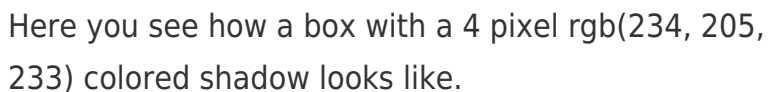
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 205, 233) }
```

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

```
.border{ border-color:rgb(234, 205, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(234, 205, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 205, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 205, 233); box-shadow:4px 4px 4px 4px rgb(234, 205, 233) }
```

# Background

The CSS property to change the background color of an element to RYB 234, 205, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 205, 233) }
```

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

```
.background{ background-color: rgb(234,  
205, 233) }
```

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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