

# Converting Colors

`RYB(224, 189, 234)`

Have a look what the booklet for RYB(224, 189, 234) contains.

<b>RYB(224, 189, 234)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(224, 189, 234)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0BDEA
RGB	224, 189, 234
RGB Percent	88%, 74%, 92%
CMY	0.1216, 0.2588, 0.0824
CMYK	0.04, 0.19, 0.00, 0.08
HSL	287°, 52%, 83%
HSV	287°, 19%, 92%
XYZ	63.7893, 58.1830, 85.7103
YIQ	204.5950, 6.4150, 21.4150

# Conversions

## Conversions Part 2

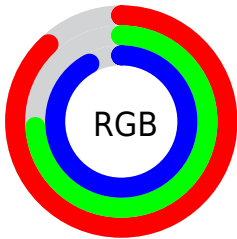
Format	Color
R <sub>Y</sub> B	224, 189, 234
Decimal	14728682
CIE Lab	80.84, 20.35, -17.70
CIE LCh	81, 26.969, 318.981
Yxy	58.1830, 0.3071, 0.2802
Android (android.graphics.Color)	4292918762 (0xFFE0BDEA)
YUV	204.5950, 14.4967, 17.0182
Hunter-Lab	76.2778, 15.7893, -13.2273

# Details

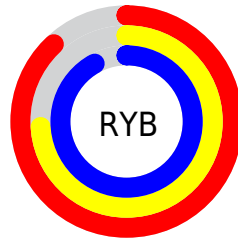
The RYB color **224, 189, 234** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **189, 234, 224**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 245, 255**, and **168, 136, 178** is the 20% darker color. If you saturate the color by 10%, you get **219, 166, 234**, and if you desaturate by 10%, it is **229, 212, 234**.

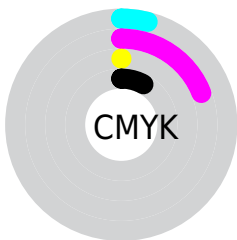
# Distribution



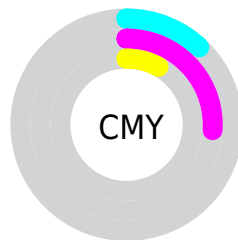
- Red (88%)
- Green (74%)
- Blue (92%)



- Red (88%)
- Yellow (74%)
- Blue (92%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)




- Cyan (12%)
- Magenta (26%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 224, 189, 234 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 224, 189, 234 by changing the saturation by 10% instead.



 224, 189, 234


 224, 189, 234

255, 255, 255


 196, 162, 206

 255, 245, 255

 168, 136, 178

 142, 110, 151

 116, 85, 125


 91, 62, 100

 67, 40, 76


 44, 18, 53

 26, 0, 32


 0, 0, 5

 224, 189, 234


 224, 189, 234

 219, 166, 234


 229, 212, 234

 214, 142, 234


 234, 236, 236

 208, 119, 234

 234, 255, 249

 203, 95, 234


 234, 255, 244

 198, 72, 234

 234, 255, 239

 193, 49, 234

 234, 255, 234

 188, 25, 234

 182, 2, 234

 182, 0, 234

# Harmonies

## Analogous

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



192, 197, 248



224, 189, 234



245, 183, 211

# Triad

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



224, 189, 234



207, 228, 152



129, 172, 216

# Complementary

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



224, 189, 234



189, 234, 224

# 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.



147, 188, 214



224, 189, 234



153, 204, 154

# Square

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



224, 189, 234



246, 198, 164



167, 211, 204



133, 178, 238

# Rectangle

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



224, 189, 234



252, 183, 194



167, 211, 204



133, 176, 215



# Sweetspot

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



224, 189, 234



252, 240, 255



189, 198, 234



126, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



224, 189, 234



242, 196, 255



234, 189, 222



115, 106, 117



141, 0, 181



42, 0, 54



# Inverse Universe

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



234, 189, 199



255, 196, 209



189, 225, 234



117, 106, 108



181, 0, 40



54, 0, 12



# Previews

## White Background



This preview shows how the RYB color 224, 189, 234 looks on a white background.

## Color Contrast Check

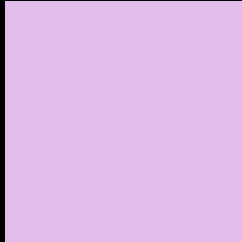
Large Text (above 18pt) WCAG AA × Fail

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 224, 189, 234 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 224, 189, 234 Background



This preview shows how black text looks on a background with the RYB color 224, 189, 234.




This preview shows how white text looks on a background with the RYB color 224, 189, 234.

# 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





**Tritanopia**  
220, 193, 209

# Trichromacy



**Original Color**

224, 189, 234

**Protanomaly**

204, 195, 238

**Deuteranomaly**

212, 193, 233

**Tritanomaly**

221, 192, 218

# Monochromacy



**Original Color**

224, 189, 234

**Achromatopsia**

205, 205, 205

**Achromatomaly**

212, 199, 216

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 224, 189, 234 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(224, 189, 234)` looks like.

```
.text, #text, p{  
    color:rgb(224, 189, 234)  
}
```

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(224, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 189, 234) }
```

## Border

The CSS property to change the border of an element to RYB 224, 189, 234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

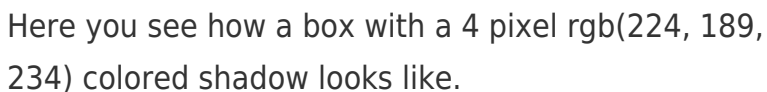
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 189, 234) }
```

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

```
.border{ border-color:rgb(224, 189, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(224, 189, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 189, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 189, 234); box-shadow:4px 4px 4px 4px rgb(224, 189, 234) }
```

# Background

The CSS property to change the background color of an element to RYB 224, 189, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 189, 234) }
```

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

```
.background{ background-color: rgb(224,  
189, 234) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor