

Converting Colors

`RYB(228, 189, 234)`

Have a look what the booklet for RYB(228, 189, 234) contains.

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Color

R_YB(228, 189, 234)

Conversions

Conversions Part 1

Format	Color
Hex	E4BDEA
RGB	228, 189, 234
RGB Percent	89%, 74%, 92%
CMY	0.1059, 0.2588, 0.0824
CMYK	0.03, 0.19, 0.00, 0.08
HSL	292°, 52%, 83%
HSV	292°, 19%, 92%
XYZ	65.0438, 58.8297, 85.7690
YIQ	205.7910, 8.7990, 22.2630

Conversions

Conversions Part 2

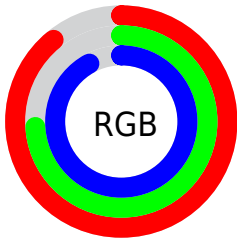
Format	Color
R _Y B	228, 189, 234
Decimal	14990826
CIE Lab	81.20, 21.66, -17.13
CIE LCh	81, 27.611, 321.666
Yxy	58.8297, 0.3103, 0.2806
Android (android.graphics.Color)	4293180906 (0xFFE4BDEA)
YUV	205.7910, 13.9070, 19.4773
Hunter-Lab	76.7005, 17.1462, -12.6096

Details

The RYB color **228, 189, 234** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **189, 234, 228**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **255, 245, 255**, and **172, 135, 178** is the 20% darker color. If you saturate the color by 10%, you get **225, 166, 234**, and if you desaturate by 10%, it is **231, 212, 234**.

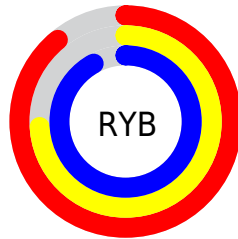
Distribution



Red (89%)

Green (74%)

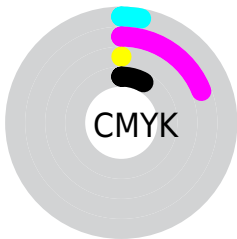
Blue (92%)



Red (89%)

Yellow (74%)

Blue (92%)

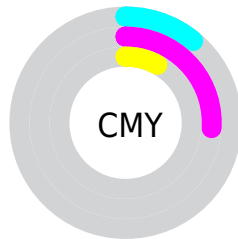


Cyan (3%)

Magenta (19%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 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 228, 189, 234 by changing the saturation by 10% instead.

■ 228, 189, 234

255, 255, 255

■ 255, 245, 255

■ 228, 189, 234

■ 200, 162, 206

■ 172, 135, 178

■ 145, 110, 151

■ 119, 85, 125

■ 94, 62, 100

■ 70, 39, 76

■ 47, 18, 54

■ 29, 0, 32

■ 0, 0, 5

■ 228, 189, 234

■ 228, 189, 234

■ 225, 166, 234

■ 231, 212, 234

■ 222, 142, 234

■ 234, 236, 236

■ 219, 119, 234

■ 234, 255, 252

■ 216, 95, 234

■ 234, 255, 249

■ 212, 72, 234

■ 234, 255, 245

■ 209, 49, 234

■ 234, 255, 242

■ 206, 25, 234

■ 234, 255, 239

■ 203, 2, 234

■ 234, 255, 236

■ 203, 0, 234

■ 234, 255, 234

Harmonies

Analogous

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



196, 198, 249



228, 189, 234



248, 184, 210

Triad

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



228, 189, 234



200, 228, 151



127, 172, 220

Complementary

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



228, 189, 234



189, 234, 228

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.



144, 187, 216



228, 189, 234



153, 206, 158

Square

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



228, 189, 234



247, 202, 162



169, 212, 210



133, 179, 241

Rectangle

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



228, 189, 234



254, 183, 192



169, 212, 210



131, 175, 216

Sweetspot

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



228, 189, 234



253, 240, 255



189, 194, 234



126, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 189, 234



247, 196, 255



234, 189, 217



116, 106, 117



157, 0, 181



46, 0, 54

Inverse Universe

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



234, 189, 195



255, 196, 204



189, 222, 234



117, 106, 107



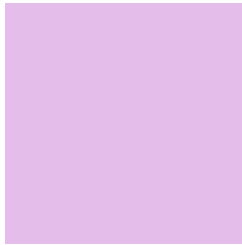
181, 0, 24



54, 0, 7

Previews

White Background



This preview shows how the RYB color 228, 189, 234 looks on a white background.

Color Contrast Check

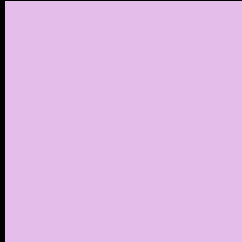
Large Text (above 18pt) WCAG AA × Fail

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 228, 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 228, 189, 234 Background



This preview shows how black text looks on a background with the RYB color 228, 189, 234.

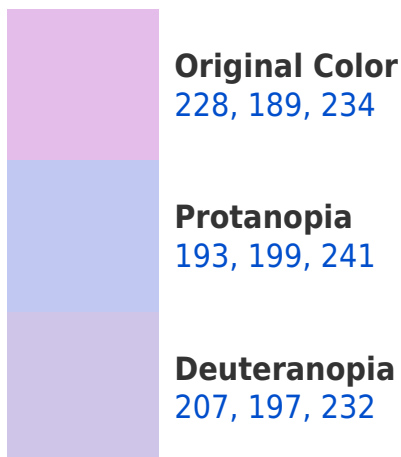



This preview shows how white text looks on a background with the RYB color 228, 189, 234.

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
224, 193, 209

Trichromacy



Original Color
228, 189, 234

Protanomaly
206, 196, 238

Deuteranomaly
215, 194, 233

Tritanomaly
225, 192, 218

Monochromacy



Original Color
228, 189, 234

Achromatopsia
206, 206, 206

Achromatomaly
214, 200, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 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(228, 189, 234) looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 189, 234) }
```

Border

The CSS property to change the border of an element to RYB 228, 189, 234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

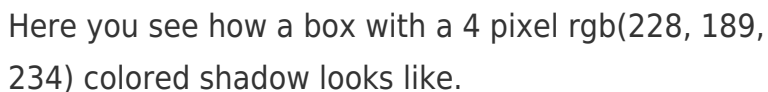
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 189, 234) }
```

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

```
.border{ border-color:rgb(228, 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(228, 189, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 189, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 189, 234); box-shadow:4px 4px 4px 4px rgb(228, 189, 234) }
```

Background

The CSS property to change the background color of an element to RYB 228, 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(228, 189, 234) }
```

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

```
.background{ background-color: rgb(228,  
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](#).

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