

Converting Colors

`RYB(235, 189, 252)`

Have a look what the booklet for
RYB(235, 189, 252) contains.

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Color

R_YB(235, 189, 252)

Conversions

Conversions Part 1

Format	Color
Hex	EBBDFC
RGB	235, 189, 252
RGB Percent	92%, 74%, 99%
CMY	0.0784, 0.2588, 0.0118
CMYK	0.07, 0.25, 0.00, 0.01
HSL	284°, 91%, 86%
HSV	284°, 25%, 99%
XYZ	70.0292, 61.0856, 100.1952
YIQ	209.9360, 7.1930, 29.3450

Conversions

Conversions Part 2

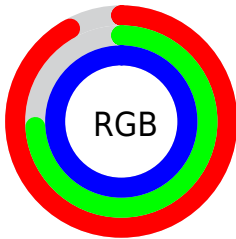
Format	Color
R _Y B	235, 189, 252
Decimal	15449596
CIE Lab	82.42, 27.35, -24.83
CIE LCh	82, 36.944, 317.761
Yxy	61.0856, 0.3028, 0.2641
Android (android.graphics.Color)	4293639676 (0xFFE8BDFC)
YUV	209.9360, 20.7376, 21.9811
Hunter-Lab	78.1573, 23.1614, -21.2978

Details

The RYB color **235, 189, 252** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **189, 252, 235**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **255, 246, 255**, and **179, 135, 195** is the 20% darker color. If you saturate the color by 10%, you get **228, 164, 252**, and if you desaturate by 10%, it is **242, 214, 252**.

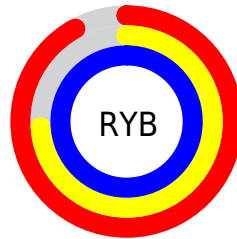
Distribution



Red (92%)

Green (74%)

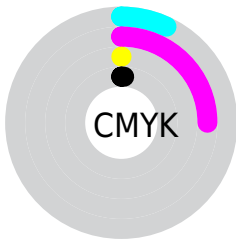
Blue (99%)



Red (92%)

Yellow (74%)

Blue (99%)

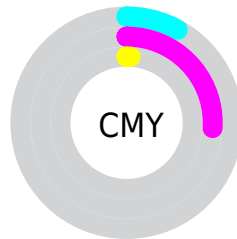


Cyan (7%)

Magenta (25%)

Yellow (0%)

Black (1%)



Cyan (8%)

Magenta (26%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 189, 252 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 235, 189, 252 by changing the saturation by 10% instead.

 235, 189, 252

255, 255, 255

 255, 246, 255

 235, 189, 252

 206, 162, 223


 179, 135, 195

 151, 110, 168


 125, 85, 141

 100, 61, 116

 75, 38, 91

 51, 16, 67

 31, 0, 45

 0, 1, 23

■ 235, 189, 252

■ 235, 189, 252

■ 228, 164, 252

■ 242, 214, 252

■ 221, 139, 252

■ 249, 239, 252

■ 215, 113, 252

252, 255, 252

■ 208, 88, 252

■ 201, 63, 252

■ 194, 38, 252

■ 187, 13, 252

■ 184, 0, 252

Harmonies

Analogous

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



190, 199, 255



235, 189, 252



255, 180, 221

Triad

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



235, 189, 252



214, 242, 138



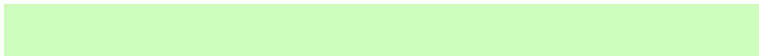
93, 159, 225

Complementary

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



235, 189, 252



189, 252, 235

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.



128, 186, 223



235, 189, 252



138, 209, 139

Square

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



235, 189, 252



255, 202, 155



157, 218, 206



94, 165, 255

Rectangle

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



235, 189, 252



255, 179, 197



157, 218, 206



103, 166, 224

Sweetspot

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



235, 189, 252



249, 235, 255



189, 203, 252



124, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



235, 189, 252



234, 179, 255



252, 189, 238



122, 112, 125



138, 0, 189



45, 0, 61

Inverse Universe

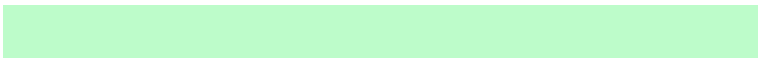
The Inverse Universe completely reimagines the original color for something new.



252, 189, 206



255, 179, 199



189, 241, 252



125, 112, 116



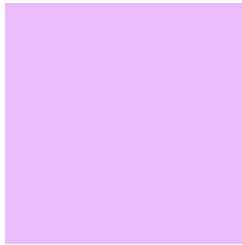
189, 0, 51



61, 0, 17

Previews

White Background



This preview shows how the RYB color 235, 189, 252 looks on a white background.

Color Contrast Check

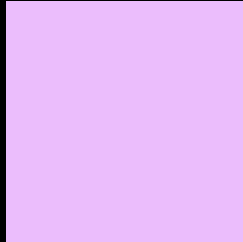
Large Text (above 18pt) WCAG AA × Fail

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 235, 189, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

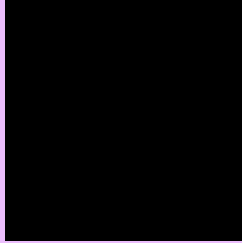
Any Text WCAG AA ✓ Pass

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 235, 189, 252 Background



This preview shows how black text looks on a background with the RYB color 235, 189, 252.



This preview shows how white text looks on a background with the RYB color 235, 189, 252.

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
235, 189, 252

Protanopia
192, 201, 255

Deuteranopia
203, 201, 250



Tritanopia
229, 196, 212

Trichromacy



Original Color

235, 189, 252



Protanomaly

208, 198, 254



Deuteranomaly

215, 197, 251



Tritanomaly

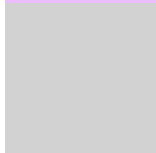
231, 193, 227

Monochromacy



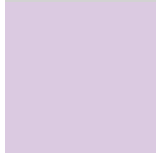
Original Color

235, 189, 252



Achromatopsia

210, 210, 210



Achromatomaly

219, 202, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 189, 252 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(235, 189, 252) looks like.

```
.text, #text, p{  
    color:rgb(235, 189, 252)  
}
```

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(235, 189, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 189, 252) }
```

Border

The CSS property to change the border of an element to RYB 235, 189, 252 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(235, 189, 252) }
```

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

```
.border{ border-color:rgb(235, 189, 252) }
```

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

Here you see how a box with a 4 pixel rgb(235, 189, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 189, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 189, 252);  
box-shadow:4px 4px 4px 4px rgb(235, 189,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 235, 189, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 189, 252) }
```

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

```
.background{ background-color: rgb(235,  
189, 252) }
```

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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