

Converting Colors

`RYB(237, 85, 217)`

Have a look what the booklet for
RYB(237, 85, 217) contains.

RYB(237, 85, 217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(237, 85, 217)`

Conversions

Conversions Part 1

Format	Color
Hex	ED55D9
RGB	237, 85, 217
RGB Percent	93%, 33%, 85%
CMY	0.0706, 0.6667, 0.1490
CMYK	0.00, 0.64, 0.08, 0.07
HSL	308°, 81%, 63%
HSV	308°, 64%, 93%
XYZ	50.6979, 29.5113, 68.6698
YIQ	145.4960, 48.2200, 73.2760

Conversions

Conversions Part 2

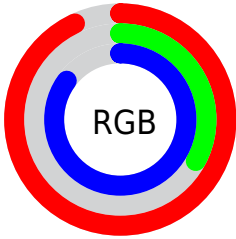
Format	Color
R_{YB}	237, 85, 217
Decimal	15554009
CIE _{Lab}	61.23, 72.61, -38.36
CIE _{LCh}	61, 82.117, 332.153
Yxy	29.5113, 0.3405, 0.1982
Android (android.graphics.Color)	4293744089 (0xFFED55D9)
YUV	145.4960, 35.2515, 80.2490
Hunter-Lab	54.3243, 71.5170, -36.9198

Details

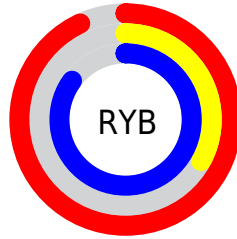
The RYB color **237, 85, 217** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **85, 219, 237**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **255, 144, 255**, and **178, 0, 162** is the 20% darker color. If you saturate the color by 10%, you get **237, 61, 214**, and if you desaturate by 10%, it is **237, 109, 220**.

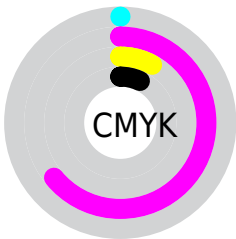
Distribution



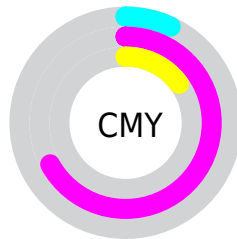
- Red (93%)
- Green (33%)
- Blue (85%)



- Red (93%)
- Yellow (33%)
- Blue (85%)



- Cyan (0%)
- Magenta (64%)
- Yellow (8%)
- Black (7%)


















- Cyan (7%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 85, 217 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 237, 85, 217 by changing the saturation by 10% instead.

 237, 85, 217	 237, 85, 217
255, 255, 255	 207, 53, 189
 255, 144, 255	 178, 0, 162
 255, 173, 255	 149, 0, 135
 255, 202, 255	 120, 0, 109
 255, 232, 255	 92, 0, 84
	 66, 0, 61
	 37, 0, 38
	 0, 1, 14
	 0, 0, 0

■ 237, 85, 217

■ 237, 85, 217

■ 237, 61, 214

■ 237, 109, 220

■ 237, 38, 211

■ 237, 132, 223

■ 237, 14, 208

■ 237, 156, 226

■ 237, 0, 206

■ 237, 180, 229

■ 237, 203, 233

■ 237, 227, 236

■ 237, 249, 251

■ 237, 251, 255

■ 237, 249, 255

Harmonies

Analogous

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



148, 126, 255



237, 85, 217



255, 56, 146

Triad

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



237, 85, 217



32, 174, 0



0, 99, 224

Complementary

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



237, 85, 217



85, 219, 237

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.



0, 97, 179



237, 85, 217



0, 165, 66

Square

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



237, 85, 217



222, 230, 0



0, 122, 175



0, 103, 255

Rectangle

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



237, 85, 217



255, 67, 98



0, 122, 175



0, 95, 201

Sweetspot

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



237, 85, 217



255, 207, 249



103, 85, 237



128, 98, 124



0, 0, 0



128, 128, 128

Same Dimension

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



237, 85, 217



255, 59, 229



237, 85, 143



117, 106, 116



181, 0, 157



54, 0, 47

Inverse Universe

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



237, 85, 217



255, 59, 229



85, 179, 237



117, 106, 116



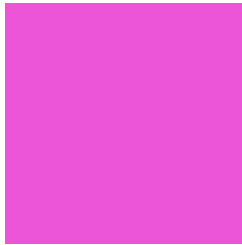
181, 0, 157



54, 0, 47

Previews

White Background



This preview shows how the RYB color 237, 85, 217 looks on a white background.

Color Contrast Check

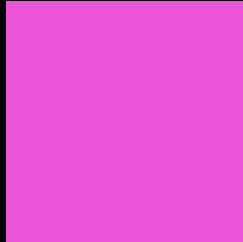
Large Text (above 18pt) WCAG AA ✓ Pass

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 237, 85, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

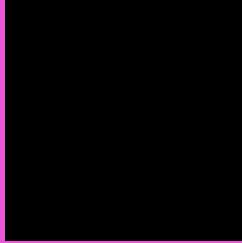
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 237, 85, 217 Background



This preview shows how black text looks on a background with the RGB color 237, 85, 217.

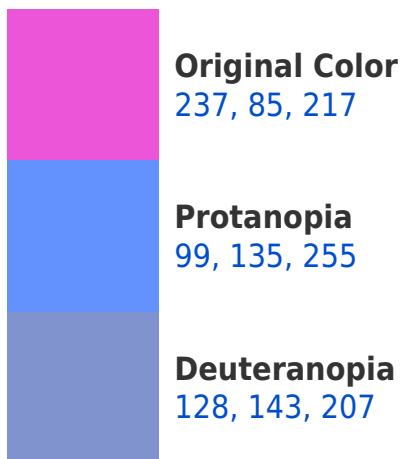


This preview shows how white text looks on a background with the RGB color 237, 85, 217.

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
227, 113, 120

Trichromacy



Original Color

237, 85, 217



Protanomaly

149, 123, 241



Deuteranomaly

168, 124, 211



Tritanomaly

231, 103, 155

Monochromacy



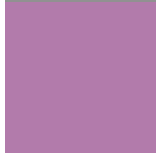
Original Color

237, 85, 217



Achromatopsia

145, 145, 145



Achromatomaly

178, 123, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 85, 217 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(237, 85, 217) looks like.

```
.text, #text, p{  
    color:rgb(237, 85, 217)  
}
```

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(237, 85, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 85, 217) }
```

Border

The CSS property to change the border of an element to RYB 237, 85, 217 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(237, 85, 217) }
```

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

```
.border{ border-color:rgb(237, 85, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 85, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 85, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 85, 217);  
box-shadow:4px 4px 4px 4px rgb(237, 85,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 237, 85, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 85, 217) }
```

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

```
.background{ background-color: rgb(237, 85,  
217) }
```

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