

Converting Colors

`RYB(237, 0, 177)`

Have a look what the booklet for
RYB(237, 0, 177) contains.

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Color

R_YB(237, 0, 177)

Conversions

Conversions Part 1

Format	Color
Hex	ED00B1
RGB	237, 0, 177
RGB Percent	93%, 0%, 69%
CMY	0.0706, 1.0000, 0.3059
CMYK	0.00, 1.00, 0.25, 0.07
HSL	315°, 100%, 46%
HSV	315°, 100%, 93%
XYZ	42.8609, 21.1788, 43.4239
YIQ	91.0410, 84.4350, 105.2910

Conversions

Conversions Part 2

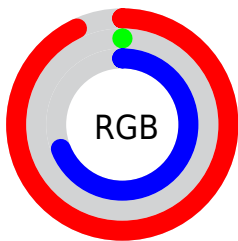
Format	Color
RYB	237, 0, 177
Decimal	15532209
CIELab	53.14, 85.39, -28.00
CIELCh	53, 89.859, 341.844
Yxy	21.1788, 0.3988, 0.1971
Android (android.graphics.Color)	4293722289 (0xFFED00B1)
YUV	91.0410, 42.3778, 128.0060
Hunter-Lab	46.0205, 85.7089, -23.7304

Details

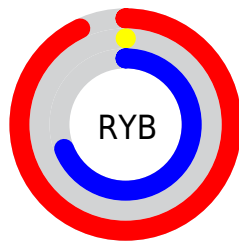
The RYB color **237, 0, 177** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **0, 189, 237**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **255, 98, 233**, and **176, 0, 124** is the 20% darker color. If you saturate the color by 10%, you get **237, 0, 177**, and if you desaturate by 10%, it is **237, 24, 183**.

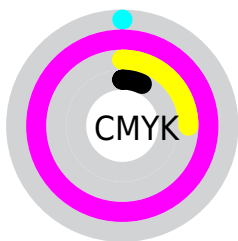
Distribution



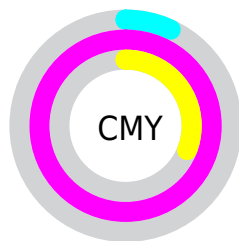
- Red (93%)
- Green (0%)
- Blue (69%)



- Red (93%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 0, 177 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, 0, 177 by changing the saturation by 10% instead.

 237, 0, 177

 237, 0, 177

255, 255, 255

 206, 0, 150

 255, 98, 233

 176, 0, 124

 255, 130, 255

 146, 0, 99

 255, 161, 255

 116, 0, 75

 255, 191, 255

 87, 0, 52

 255, 222, 255

 58, 0, 30

 255, 252, 255

 26, 0, 1

 0, 0, 0

 237, 0, 177

■ 237, 24, 183

■ 237, 47, 189

■ 237, 71, 195

■ 237, 95, 201

■ 237, 118, 207

■ 237, 142, 213

■ 237, 166, 219

■ 237, 190, 225

■ 237, 213, 231

Harmonies

Analogous

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



163, 87, 244



237, 0, 177



255, 0, 100

Triad

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



237, 0, 177



0, 133, 6



0, 93, 230

Complementary

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



237, 0, 177



0, 189, 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, 79, 158



237, 0, 177



0, 149, 149

Square

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



237, 0, 177



159, 192, 0



0, 105, 156



0, 94, 255

Rectangle

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



237, 0, 177



248, 30, 50



0, 105, 156



0, 90, 207

Sweetspot

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



237, 0, 177



255, 179, 236



59, 0, 237



128, 82, 116



0, 0, 0



128, 128, 128

Same Dimension

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



237, 0, 177



255, 0, 190



237, 0, 59



117, 106, 114



181, 0, 135



54, 0, 40

Inverse Universe

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



237, 0, 177



255, 0, 190



0, 135, 237



117, 106, 114



181, 0, 135



54, 0, 40

Previews

White Background



This preview shows how the RYB color 237, 0, 177 looks on a white background.

Color Contrast Check

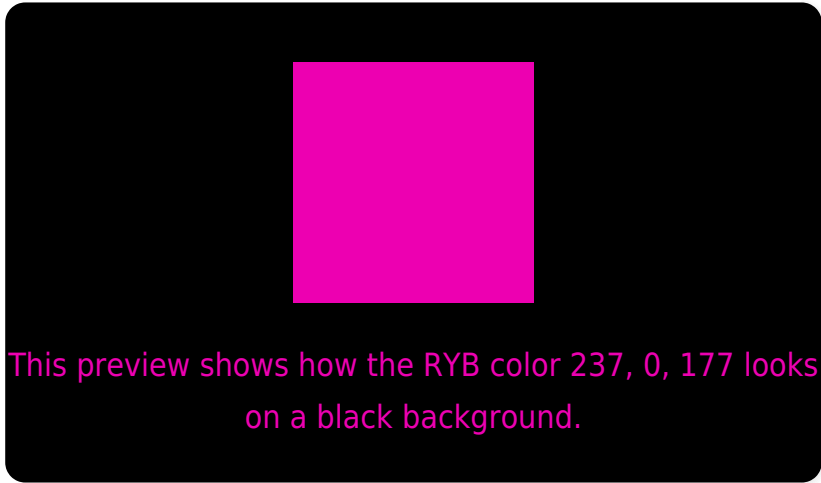
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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](#).

RYP 237, 0, 177 Background



This preview shows how black text looks on a background with the RYP color 237, 0, 177.

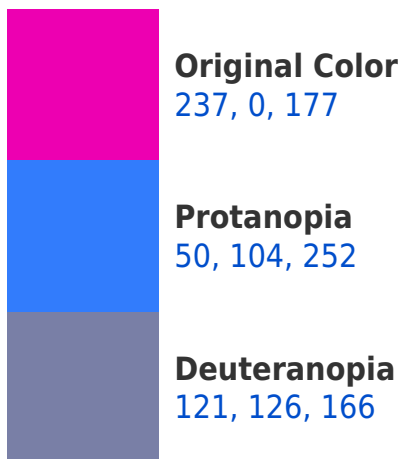


This preview shows how white text looks on a background with the RYP color 237, 0, 177.

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
229, 70, 73

Trichromacy



Original Color

237, 0, 177



Protanomaly

118, 79, 225



Deuteranomaly

163, 80, 170



Tritanomaly

232, 45, 111

Monochromacy



Original Color

237, 0, 177



Achromatopsia

91, 91, 91



Achromatomaly

144, 58, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 0, 177 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, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 177)  
}
```

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, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 177) }
```

Border

The CSS property to change the border of an element to RYB 237, 0, 177 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, 0, 177) }
```

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

```
.border{ border-color:rgb(237, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 237, 0, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 177) }
```

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

```
.background{ background-color: rgb(237, 0,  
177) }
```

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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