

Converting Colors

`RYB(245, 0, 219)`

Have a look what the booklet for
RYB(245, 0, 219) contains.

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Color

R_YB(245, 0, 219)

Conversions

Conversions Part 1

Format	Color
Hex	F500DB
RGB	245, 0, 219
RGB Percent	96%, 0%, 86%
CMY	0.0392, 1.0000, 0.1412
CMYK	0.00, 1.00, 0.11, 0.04
HSL	306°, 100%, 48%
HSV	306°, 100%, 96%
XYZ	50.4424, 24.5270, 69.0934
YIQ	98.2210, 75.7210, 120.0490

Conversions

Conversions Part 2

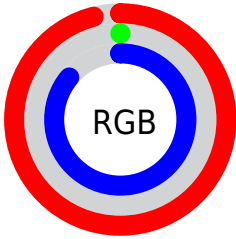
Format	Color
RYB	245, 0, 219
Decimal	16056539
CIELab	56.61, 91.83, -46.67
CIELCh	57, 103.013, 333.059
Yxy	24.5270, 0.3501, 0.1703
Android (android.graphics.Color)	4294246619 (0xFFFF500DB)
YUV	98.2210, 59.5440, 128.7252
Hunter-Lab	49.5247, 95.1393, -48.0500

Details

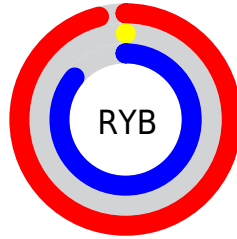
The RYB color **245, 0, 219** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **0, 221, 245**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **255, 102, 255**, and **184, 0, 163** is the 20% darker color. If you saturate the color by 10%, you get **245, 0, 219**, and if you desaturate by 10%, it is **245, 24, 222**.

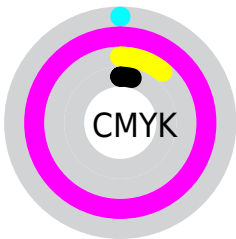
Distribution



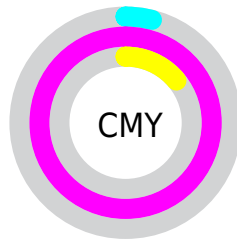
- Red (96%)
- Green (0%)
- Blue (86%)



- Red (96%)
- Yellow (0%)
- Blue (86%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (4%)



- Cyan (4%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 0, 219 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 245, 0, 219 by changing the saturation by 10% instead.



245, 0, 219



245, 0, 219

255, 255, 255



214, 0, 191



255, 102, 255



184, 0, 163



255, 134, 255



154, 0, 137



255, 165, 255



124, 0, 111



255, 196, 255



95, 0, 85



255, 227, 255



66, 0, 61



36, 0, 38




0, 1, 15




0, 0, 0

 245, 0, 219


 245, 24, 222


 245, 49, 224


 245, 74, 227

 245, 98, 229

 245, 123, 232

 245, 147, 235

 245, 171, 237

 245, 196, 240

 245, 221, 242

Harmonies

Analogous

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



129, 106, 255



245, 0, 219



255, 0, 131

Triad

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



245, 0, 219



24, 157, 0



0, 99, 233

Complementary

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



245, 0, 219



0, 221, 245

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, 92, 170



245, 0, 219



0, 157, 103

Square

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



245, 0, 219



227, 166, 0



0, 132, 166



0, 100, 255

Rectangle

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



245, 0, 219



255, 0, 73



0, 132, 166



0, 93, 204

Sweetspot

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



245, 0, 219



255, 179, 247



24, 0, 245



128, 82, 123



0, 0, 0



128, 128, 128

Same Dimension

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



245, 0, 219



255, 0, 228



245, 0, 98



122, 110, 121



186, 0, 166



59, 0, 52

Inverse Universe

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



245, 0, 219



255, 0, 228



0, 153, 245



122, 110, 121



186, 0, 166



59, 0, 52

Previews

White Background



This preview shows how the RYB color 245, 0, 219 looks on a white background.

Color Contrast Check

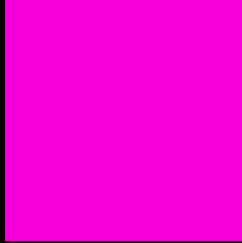
Large Text (above 18pt) WCAG AA ✓ Pass

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 245, 0, 219 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](#).

R Y B 245, 0, 219 Background



This preview shows how black text looks on a background with the R Y B color 245, 0, 219.



This preview shows how white text looks on a background with the R Y B color 245, 0, 219.

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
245, 0, 219

Protanopia
71, 117, 255

Deuteranopia
105, 129, 206



Tritanopia
233, 86, 91

Trichromacy



Original Color

245, 0, 219



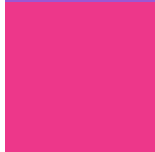
Protanomaly

134, 85, 242



Deuteranomaly

156, 87, 211



Tritanomaly

237, 55, 138

Monochromacy



Original Color

245, 0, 219



Achromatopsia

98, 98, 98



Achromatomaly

151, 62, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 0, 219 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(245, 0, 219)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 219)  
}
```

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(245, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 219) }
```

Border

The CSS property to change the border of an element to RYB 245, 0, 219 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(245, 0, 219) }
```

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

```
.border{ border-color:rgb(245, 0, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 245, 0, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 219) }
```

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

```
.background{ background-color: rgb(245, 0,  
219) }
```

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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