

Converting Colors

`RYB(245, 0, 209)`

Have a look what the booklet for
RYB(245, 0, 209) contains.

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Color

RYB(245, 0, 209)

Conversions

Conversions Part 1

Format	Color
Hex	F500D1
RGB	245, 0, 209
RGB Percent	96%, 0%, 82%
CMY	0.0392, 1.0000, 0.1804
CMYK	0.00, 1.00, 0.15, 0.04
HSL	309°, 100%, 48%
HSV	309°, 100%, 96%
XYZ	49.1648, 24.0159, 62.3659
YIQ	97.0810, 78.9310, 116.9390

Conversions

Conversions Part 2

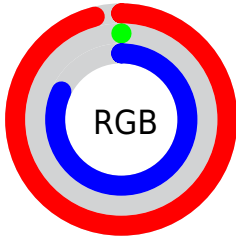
Format	Color
R_{YB}	245, 0, 209
Decimal	16056529
CIE _{Lab}	56.10, 90.58, -41.78
CIE _{LCh}	56, 99.747, 335.238
Yxy	24.0159, 0.3627, 0.1772
Android (android.graphics.Color)	4294246609 (0xFFFF500D1)
YUV	97.0810, 55.1761, 129.7250
Hunter-Lab	49.0060, 93.3177, -41.1491

Details

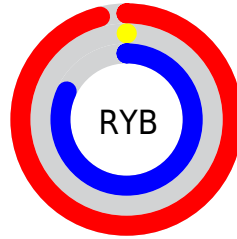
The RYB color **245, 0, 209** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **0, 214, 245**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **255, 101, 255**, and **184, 0, 154** is the 20% darker color. If you saturate the color by 10%, you get **245, 0, 209**, and if you desaturate by 10%, it is **245, 24, 213**.

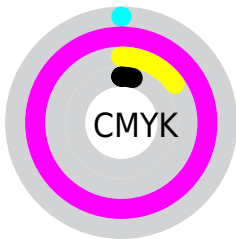
Distribution



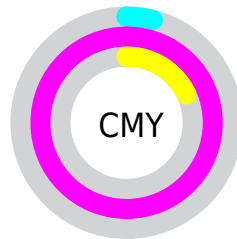
- Red (96%)
- Green (0%)
- Blue (82%)



- Red (96%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (4%)



















- Cyan (4%)
- Magenta (100%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the RYB color 245, 0, 209 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, 209 by changing the saturation by 10% instead.

 245, 0, 209	 245, 0, 209
255, 255, 255	 214, 0, 181
 255, 101, 255	 184, 0, 154
 255, 134, 255	 154, 0, 127
 255, 165, 255	 124, 0, 102
 255, 196, 255	 95, 0, 77
 255, 226, 255	 66, 0, 54
	 36, 0, 31
	 0, 0, 1
	 0, 0, 0

 245, 0, 209

 245, 24, 213

 245, 49, 216

 245, 74, 220

 245, 98, 223

 245, 123, 227

 245, 147, 231

 245, 171, 234

 245, 196, 238

 245, 221, 241

Harmonies

Analogous

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



142, 102, 255



245, 0, 209



255, 0, 124

Triad

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



245, 0, 209



15, 151, 0



0, 98, 234

Complementary

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



245, 0, 209



0, 214, 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, 90, 169



245, 0, 209



0, 156, 112

Square

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



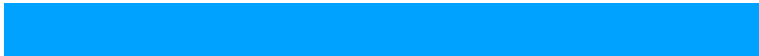
245, 0, 209



219, 184, 0



0, 124, 165



0, 99, 255

Rectangle

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



245, 0, 209



255, 0, 68



0, 124, 165



0, 93, 207

Sweetspot

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



245, 0, 209



255, 179, 244



33, 0, 245



128, 82, 121



0, 0, 0



128, 128, 128

Same Dimension

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



245, 0, 209



255, 0, 218



245, 0, 90



122, 110, 121



186, 0, 159



59, 0, 50

Inverse Universe

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



245, 0, 209



255, 0, 218



0, 150, 245



122, 110, 121



186, 0, 159



59, 0, 50

Previews

White Background



This preview shows how the RYB color 245, 0, 209 looks on a white background.

Color Contrast Check

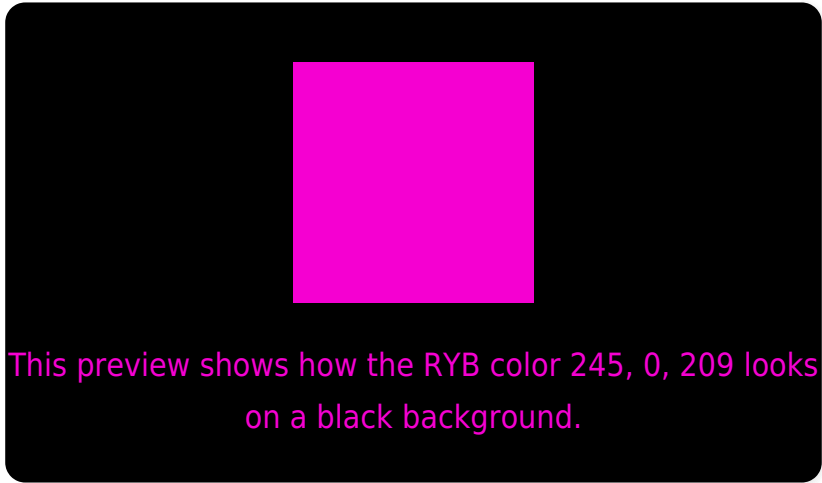
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

R Y B 245, 0, 209 Background



This preview shows how black text looks on a background with the R Y B color 245, 0, 209.



This preview shows how white text looks on a background with the R Y B color 245, 0, 209.

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, 209

Protanopia
68, 116, 255

Deuteranopia
112, 130, 196



Tritanopia
234, 82, 87

Trichromacy



Original Color

245, 0, 209



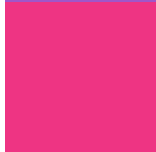
Protanomaly

132, 84, 238



Deuteranomaly

160, 86, 201



Tritanomaly

238, 52, 131

Monochromacy



Original Color

245, 0, 209



Achromatopsia

97, 97, 97



Achromatomaly

151, 62, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 0, 209 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 209) }
```

Border

The CSS property to change the border of an element to RYB 245, 0, 209 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, 209) }
```

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

```
.border{ border-color:rgb(245, 0, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 245, 0, 209 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, 209) }
```

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

```
.background{ background-color: rgb(245, 0,  
209) }
```

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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