

Converting Colors

`RYB(245, 0, 223)`

Have a look what the booklet for
RYB(245, 0, 223) contains.

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Color

R_YB(245, 0, 223)

Conversions

Conversions Part 1

Format	Color
Hex	F500DF
RGB	245, 0, 223
RGB Percent	96%, 0%, 87%
CMY	0.0392, 1.0000, 0.1255
CMYK	0.00, 1.00, 0.09, 0.04
HSL	305°, 100%, 48%
HSV	305°, 100%, 96%
XYZ	50.9755, 24.7402, 71.9007
YIQ	98.6770, 74.4370, 121.2930

Conversions

Conversions Part 2

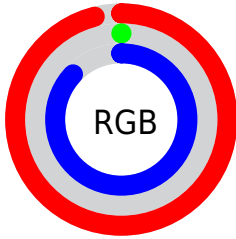
Format	Color
R_{YB}	245, 0, 223
Decimal	16056543
CIE _{Lab}	56.82, 92.35, -48.61
CIE _{LCh}	57, 104.361, 332.240
Yxy	24.7402, 0.3453, 0.1676
Android (android.graphics.Color)	4294246623 (0xFFFF500DF)
YUV	98.6770, 61.2912, 128.3253
Hunter-Lab	49.7395, 95.8913, -50.8887

Details

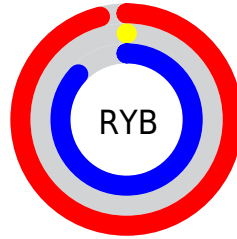
The RYB color **245, 0, 223** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 225, 245**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **255, 102, 255**, and **184, 0, 167** is the 20% darker color. If you saturate the color by 10%, you get **245, 0, 223**, and if you desaturate by 10%, it is **245, 24, 225**.

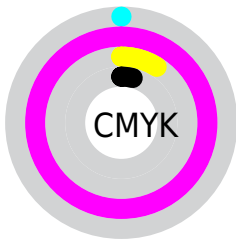
Distribution



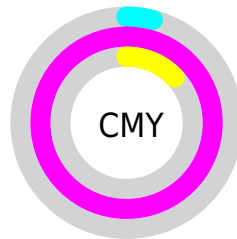
- Red (96%)
- Green (0%)
- Blue (87%)



- Red (96%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (4%)



- Cyan (4%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 0, 223 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, 223 by changing the saturation by 10% instead.

 245, 0, 223

 245, 0, 223

255, 255, 255

 214, 0, 195

 255, 102, 255

 184, 0, 167

 255, 134, 255

 154, 0, 140

 255, 166, 255

 124, 0, 114

 255, 197, 255

 94, 0, 89

 255, 227, 255


 66, 0, 65

 36, 0, 41


 0, 1, 19


 0, 0, 0

 245, 0, 223


 245, 24, 225

 245, 49, 227


 245, 74, 230

 245, 98, 232

 245, 123, 234

 245, 147, 236

 245, 171, 238

 245, 196, 241

 245, 221, 243

Harmonies

Analogous

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



124, 107, 255



245, 0, 223



255, 0, 134

Triad

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



245, 0, 223



28, 160, 0



0, 99, 232

Complementary

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



245, 0, 223



0, 225, 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, 94, 171



245, 0, 223



0, 157, 100

Square

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



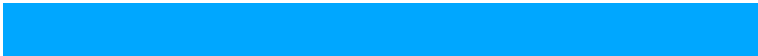
245, 0, 223



230, 162, 0



0, 136, 167



0, 101, 255

Rectangle

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



245, 0, 223



255, 0, 75



0, 136, 167



0, 93, 204

Sweetspot

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



245, 0, 223



255, 179, 248



20, 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, 223



255, 0, 232



245, 0, 102



122, 110, 121



186, 0, 169



59, 0, 53

Inverse Universe

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



245, 0, 223



255, 0, 232



0, 155, 245



122, 110, 121



186, 0, 169



59, 0, 53

Previews

White Background



This preview shows how the RYB color 245, 0, 223 looks on a white background.

Color Contrast Check

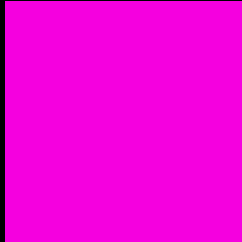
Large Text (above 18pt) WCAG AA ✓ Pass

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, 223 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](#).

RYB 245, 0, 223 Background



This preview shows how black text looks on a background with the RYB color 245, 0, 223.



This preview shows how white text looks on a background with the RYB color 245, 0, 223.

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, 223

Protanopia
72, 118, 255

Deuteranopia
103, 129, 209



Tritanopia
232, 88, 93

Trichromacy



Original Color

245, 0, 223



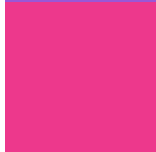
Protanomaly

135, 85, 243



Deuteranomaly

155, 87, 214



Tritanomaly

237, 56, 140

Monochromacy



Original Color

245, 0, 223



Achromatopsia

99, 99, 99



Achromatomaly

152, 63, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 0, 223 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 223) }
```

Border

The CSS property to change the border of an element to RYB 245, 0, 223 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, 223) }
```

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

```
.border{ border-color:rgb(245, 0, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 245, 0, 223 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, 223) }
```

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

```
.background{ background-color: rgb(245, 0,  
223) }
```

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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