

Converting Colors

RGB(255, 0, 229)

Have a look what the booklet for
RGB(255, 0, 229) contains.

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Color

RGB(255, 0, 229)

Conversions

Conversions Part 1

Format	Color
Hex	FF00E5
RGB	255, 0, 229
RGB Percent	100%, 0%, 90%
CMY	0.0000, 1.0000, 0.1020
CMYK	0.00, 1.00, 0.10, 0.00
HSL	306°, 100%, 50%
HSV	306°, 100%, 100%
XYZ	55.3829, 26.9171, 76.4053
YIQ	102.3510, 78.4710, 125.2790

Conversions

Conversions Part 2

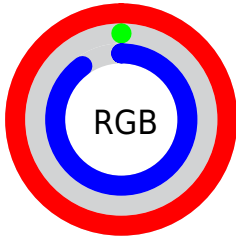
Format	Color
RYB	255, 0, 229
Decimal	16711909
CIELab	58.90, 94.79, -48.59
CIELCh	59, 106.516, 332.858
Yxy	26.9171, 0.3490, 0.1696
Android (android.graphics.Color)	4294901989 (0xFFFF00E5)
YUV	102.3510, 62.4380, 133.8732
Hunter-Lab	51.8817, 99.7526, -50.9981

Details

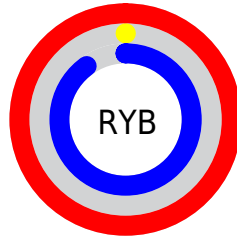
The RGB color **255, 0, 229** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 255, 26**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **255, 104, 255**, and **193, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **255, 0, 229**, and if you desaturate by 10%, it is **255, 25, 232**.

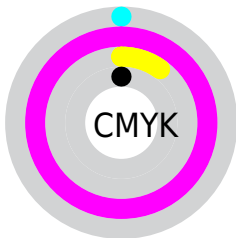
Distribution



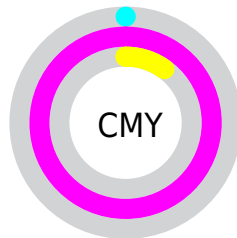
- Red (100%)
- Green (0%)
- Blue (90%)



- Red (100%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 255, 0, 229 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 RGB color 255, 0, 229 by changing the saturation by 10% instead.



255, 0, 229



255, 0, 229

255, 255, 255



224, 0, 201



255, 104, 255



193, 0, 173



255, 137, 255



163, 0, 146



255, 169, 255



133, 0, 119



255, 200, 255



103, 0, 94



255, 231, 255



75, 0, 70



45, 0, 46





0, 0, 24




0, 0, 0

 255, 0, 229

 255, 25, 232

 255, 51, 234

 255, 77, 237

 255, 102, 239

 255, 128, 242

 255, 153, 245

 255, 179, 247

 255, 204, 250

 255, 230, 252

Harmonies

Analogous

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



133, 111, 255



255, 0, 229



255, 0, 137

Triad

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



255, 0, 229



165, 142, 0



0, 179, 242

Complementary

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



255, 0, 229



0, 255, 26

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, 178, 149



255, 0, 229



57, 163, 0

Square

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



255, 0, 229



237, 100, 0



0, 173, 44



0, 173, 255

Rectangle

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



255, 0, 229



255, 0, 77



0, 173, 44



0, 179, 213

Sweetspot

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



255, 0, 229



255, 179, 247



25, 0, 255



128, 82, 123



0, 0, 0



128, 128, 128

Same Dimension

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



255, 0, 229



255, 0, 102



128, 115, 126



191, 0, 172



64, 0, 57

Inverse Universe

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



255, 0, 229



0, 255, 153



128, 115, 126



191, 0, 172



64, 0, 57

Previews

White Background



This preview shows how the RGB color 255, 0, 229 looks on a white background.

Color Contrast Check

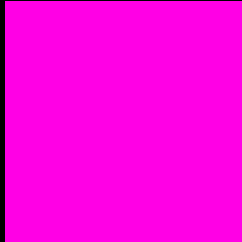
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 255, 0, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

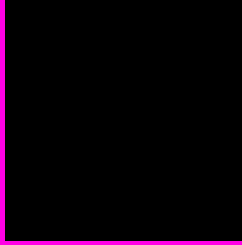
Any Text WCAG AA ✓ Pass

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 255, 0, 229 Background



This preview shows how black text looks on a background with the RGB color 255, 0, 229.



This preview shows how white text looks on a background with the RGB color 255, 0, 229.

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
255, 0, 229

Protanopia
86, 139, 255

Deuteranopia
109, 142, 215



Tritanopia
242, 90, 96

Trichromacy



Original Color

255, 0, 229



Protanomaly

147, 88, 246



Deuteranomaly

162, 90, 220



Tritanomaly

247, 57, 144

Monochromacy



Original Color

255, 0, 229



Achromatopsia

102, 102, 102



Achromatomaly

158, 65, 148

CSS Examples

Text

The CSS property to change the color of the text to RGB 255, 0, 229 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(255, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 229)  
}
```

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(255, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 229) }
```

Border

The CSS property to change the border of an element to RGB 255, 0, 229 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(255, 0, 229) }
```

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

```
.border{ border-color:rgb(255, 0, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 255, 0, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 229) }
```

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

```
.background{ background-color: rgb(255, 0,  
229) }
```

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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