

Converting Colors

`RYB(255, 0, 169)`

Have a look what the booklet for
RYB(255, 0, 169) contains.

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Color

R_YB(255, 0, 169)

Conversions

Conversions Part 1

Format	Color
Hex	FF00A9
RGB	255, 0, 169
RGB Percent	100%, 0%, 66%
CMY	0.0000, 1.0000, 0.3373
CMYK	0.00, 1.00, 0.34, 0.00
HSL	320°, 100%, 50%
HSV	320°, 100%, 100%
XYZ	48.4014, 24.1246, 39.6416
YIQ	95.5110, 97.7310, 106.6190

Conversions

Conversions Part 2

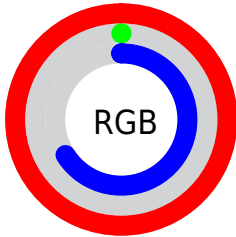
Format	Color
R_{YB}	255, 0, 169
Decimal	16711849
CIE _{Lab}	56.21, 88.02, -18.31
CIE _{LCh}	56, 89.903, 348.251
Yxy	24.1246, 0.4315, 0.2151
Android (android.graphics.Color)	4294901929 (0xFFFF00A9)
YUV	95.5110, 36.2301, 139.8719
Hunter-Lab	49.1168, 89.9460, -13.4705

Details

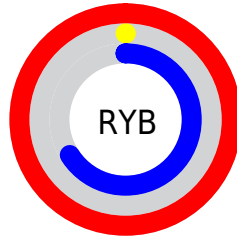
The RYB color **255, 0, 169** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **0, 191, 255**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **255, 101, 224**, and **192, 0, 117** is the 20% darker color. If you saturate the color by 10%, you get **255, 0, 169**, and if you desaturate by 10%, it is **255, 25, 178**.

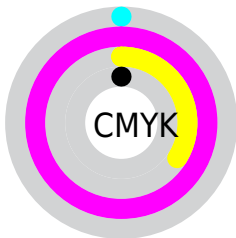
Distribution



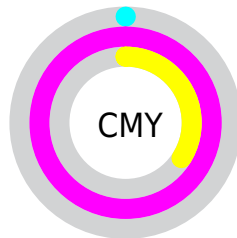
- Red (100%)
- Green (0%)
- Blue (66%)



- Red (100%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the RYB color 255, 0, 169 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 255, 0, 169 by changing the saturation by 10% instead.

 255, 0, 169

 255, 0, 169

255, 255, 255

 224, 0, 142

 255, 101, 224

 192, 0, 117

 255, 134, 253

 162, 0, 92

 255, 165, 255

 131, 0, 68

 255, 196, 255

 101, 0, 46


 255, 226, 255


 72, 0, 25

 41, 0, 1


 0, 0, 0

 255, 0, 169

 255, 25, 178


 255, 51, 186

 255, 77, 195

 255, 102, 203

 255, 128, 212

 255, 153, 221

 255, 179, 229

 255, 204, 238

 255, 230, 246

Harmonies

Analogous

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



194, 84, 240



255, 0, 169



255, 0, 92

Triad

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



255, 0, 169



0, 146, 27



0, 100, 251

Complementary

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



255, 0, 169



0, 191, 255

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, 87, 182



255, 0, 169



0, 159, 159

Square

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



255, 0, 169



109, 189, 0



0, 103, 165



0, 96, 255

Rectangle

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



255, 0, 169



253, 61, 40



0, 103, 165



0, 97, 231

Sweetspot

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



255, 0, 169



255, 179, 229



85, 0, 255



128, 82, 112



0, 0, 0



128, 128, 128

Same Dimension

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



255, 0, 169



255, 0, 43



128, 115, 123



191, 0, 127



64, 0, 42

Inverse Universe

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



255, 0, 169



0, 139, 255



128, 115, 123



191, 0, 127



64, 0, 42

Previews

White Background



This preview shows how the RYB color 255, 0, 169 looks on a white background.

Color Contrast Check

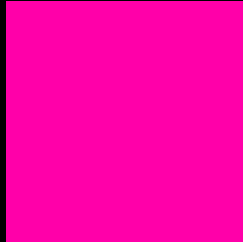
Large Text (above 18pt) WCAG AA ✓ Pass

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 255, 0, 169 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 255, 0, 169 Background



This preview shows how black text looks on a background with the R Y B color 255, 0, 169.



This preview shows how white text looks on a background with the R Y B color 255, 0, 169.

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, 169

Protanopia
85, 122, 242

Deuteranopia
139, 133, 157



Tritanopia
248, 67, 69

Trichromacy



Original Color

255, 0, 169



Protanomaly

147, 85, 215



Deuteranomaly

181, 85, 161



Tritanomaly

251, 43, 105

Monochromacy



Original Color

255, 0, 169



Achromatopsia

96, 96, 96



Achromatomaly

154, 61, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 0, 169 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 169) }
```

Border

The CSS property to change the border of an element to RYB 255, 0, 169 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, 169) }
```

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

```
.border{ border-color:rgb(255, 0, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
169) }
```

Background

The CSS property to change the background color of an element to RGB 255, 0, 169 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, 169) }
```

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

```
.background{ background-color: rgb(255, 0,  
169) }
```

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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