

Converting Colors

`RYB(249, 103, 255)`

Have a look what the booklet for
RYB(249, 103, 255) contains.

RYB(249, 103, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(249, 103, 255)

Conversions

Conversions Part 1

Format	Color
Hex	F967FF
RGB	249, 103, 255
RGB Percent	98%, 40%, 100%
CMY	0.0235, 0.5961, 0.0000
CMYK	0.02, 0.60, 0.00, 0.00
HSL	298°, 100%, 70%
HSV	298°, 60%, 100%
XYZ	61.9672, 37.0602, 98.4951
YIQ	163.9820, 38.2240, 78.2240

Conversions

Conversions Part 2

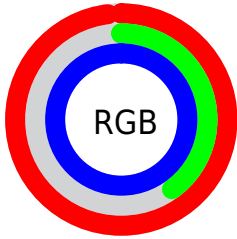
Format	Color
R_{YB}	249, 103, 255
Decimal	16345087
CIE _{Lab}	67.32, 74.41, -49.77
CIE _{LCh}	67, 89.517, 326.224
Yxy	37.0602, 0.3137, 0.1876
Android (android.graphics.Color)	4294535167 (0xFFFF967FF)
YUV	163.9820, 44.8719, 74.5608
Hunter-Lab	60.8771, 75.1612, -53.3132

Details

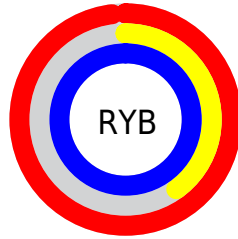
The RYB color **249, 103, 255** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **103, 255, 249**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 161, 255**, and **189, 38, 198** is the 20% darker color. If you saturate the color by 10%, you get **248, 78, 255**, and if you desaturate by 10%, it is **250, 129, 255**.

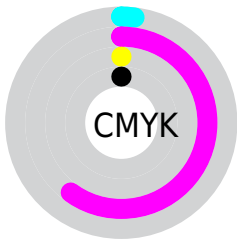
Distribution



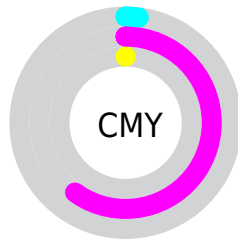
- Red (98%)
- Green (40%)
- Blue (100%)



- Red (98%)
- Yellow (40%)
- Blue (100%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 249, 103, 255 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 249, 103, 255 by changing the saturation by 10% instead.

 249, 103, 255

 249, 103, 255

255, 255, 255

 219, 73, 226


 255, 161, 255

 189, 38, 198

 255, 191, 255

 160, 0, 170

 255, 220, 255

 131, 0, 143

 255, 250, 255

 103, 0, 117

 75, 0, 91

 49, 0, 67

 13, 0, 44

 0, 1, 22

■ 249, 103, 255

■ 249, 103, 255

■ 248, 78, 255

■ 250, 129, 255

■ 247, 52, 255

■ 251, 154, 255

■ 246, 26, 255

■ 252, 179, 255

■ 245, 1, 255

■ 253, 205, 255

■ 245, 0, 255

■ 254, 231, 255

255, 255, 255

Harmonies

Analogous

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



132, 145, 255



249, 103, 255



255, 63, 178

Triad

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



249, 103, 255



64, 206, 0



0, 107, 233

Complementary

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



249, 103, 255



103, 255, 249

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, 112, 198



249, 103, 255



0, 180, 52

Square

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



249, 103, 255



255, 227, 4



0, 143, 192



0, 110, 255

Rectangle

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



249, 103, 255



255, 66, 124



0, 143, 192



0, 101, 207

Sweetspot

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



249, 103, 255



253, 209, 255



103, 111, 255



126, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



249, 103, 255



248, 71, 255



255, 103, 187



127, 115, 128



184, 0, 191



61, 0, 64

Inverse Universe

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



255, 103, 109



255, 71, 79



103, 208, 255



128, 115, 115



191, 0, 8



64, 0, 3

Previews

White Background



This preview shows how the RYB color 249, 103, 255 looks on a white background.

Color Contrast Check

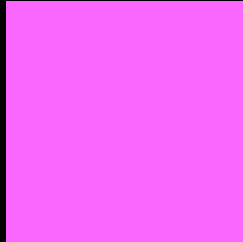
Large Text (above 18pt) WCAG AA × Fail

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 249, 103, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

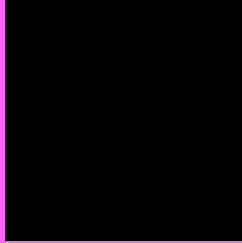
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 249, 103, 255 Background



This preview shows how black text looks on a background with the RYB color 249, 103, 255.



This preview shows how white text looks on a background with the RYB color 249, 103, 255.

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
249, 103, 255

Protanopia
128, 154, 255

Deuteranopia
128, 155, 245



Tritanopia
235, 134, 144

Trichromacy



Original Color

249, 103, 255



Protanomaly

172, 140, 255



Deuteranomaly

172, 141, 249

Tritanomaly

240, 123, 184

Monochromacy



Original Color

249, 103, 255



Achromatopsia

164, 164, 164



Achromatomaly

195, 142, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 249, 103, 255 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(249, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 103, 255)  
}
```

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(249, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 103, 255) }
```

Border

The CSS property to change the border of an element to RYB 249, 103, 255 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(249, 103, 255) }
```

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

```
.border{ border-color:rgb(249, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 103,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 249, 103, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 103, 255) }
```

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

```
.background{ background-color: rgb(249,  
103, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor