

Converting Colors

`RYB(249, 49, 164)`

Have a look what the booklet for
RYB(249, 49, 164) contains.

RYB(249, 49, 164)	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, 49, 164)

Conversions

Conversions Part 1

Format	Color
Hex	F931A4
RGB	249, 49, 164
RGB Percent	98%, 19%, 64%
CMY	0.0235, 0.8078, 0.3569
CMYK	0.00, 0.80, 0.34, 0.02
HSL	326°, 94%, 58%
HSV	326°, 80%, 98%
XYZ	46.8661, 25.0167, 37.4805
YIQ	121.9100, 82.2850, 78.1650

Conversions

Conversions Part 2

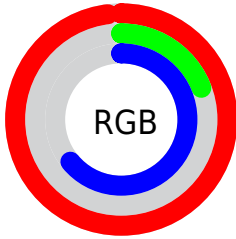
Format	Color
R _Y B	249, 49, 164
Decimal	16331172
CIE Lab	57.09, 79.96, -14.15
CIE LCh	57, 81.203, 349.967
Yxy	25.0167, 0.4285, 0.2287
Android (android.graphics.Color)	4294521252 (0xFFFF931A4)
YUV	121.9100, 20.7504, 111.4579
Hunter-Lab	50.0167, 79.7268, -9.4179

Details

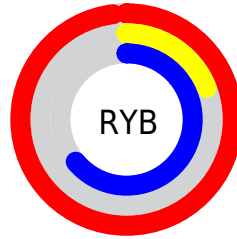
The RYB color **249, 49, 164** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **49, 189, 249**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **255, 117, 219**, and **187, 0, 112** is the 20% darker color. If you saturate the color by 10%, you get **249, 24, 153**, and if you desaturate by 10%, it is **249, 74, 175**.

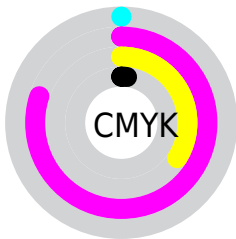
Distribution



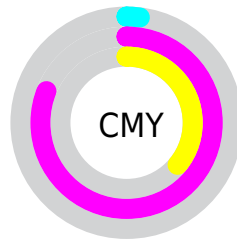
- Red (98%)
- Green (19%)
- Blue (64%)



- Red (98%)
- Yellow (19%)
- Blue (64%)



- Cyan (0%)
- Magenta (80%)
- Yellow (34%)
- Black (2%)



- Cyan (2%)
- Magenta (81%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 249, 49, 164 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, 49, 164 by changing the saturation by 10% instead.



249, 49, 164



249, 49, 164

255, 255, 255



218, 0, 138



255, 117, 219



187, 0, 112



255, 148, 247



157, 0, 88



255, 178, 255



127, 0, 64



255, 208, 255



97, 0, 42



255, 238, 255



69, 0, 22



38, 0, 1



0, 0, 0



249, 49, 164



249, 49, 164

■ 249, 24, 153

■ 249, 74, 175

■ 249, 0, 143

■ 249, 99, 185

■ 249, 124, 196

■ 249, 149, 206

■ 249, 174, 217

■ 249, 198, 227

■ 249, 223, 238

■ 249, 248, 249

■ 249, 252, 255

Harmonies

Analogous

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



196, 91, 229



249, 49, 164



255, 51, 94

Triad

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



249, 49, 164



0, 148, 27



0, 98, 245

Complementary

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



249, 49, 164



49, 189, 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, 88, 184



249, 49, 164



0, 134, 160

Square

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



249, 49, 164



87, 185, 0



0, 100, 166



0, 96, 255

Rectangle

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



249, 49, 164



245, 83, 48



0, 100, 166



0, 96, 227

Sweetspot

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



249, 49, 164



255, 194, 229



132, 49, 249



128, 91, 112



0, 0, 0



128, 128, 128

Same Dimension

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



249, 49, 164



255, 10, 151



249, 49, 66



125, 112, 120



189, 0, 109



61, 0, 35

Inverse Universe

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



249, 49, 164



255, 10, 151



49, 153, 249



125, 112, 120



189, 0, 109



61, 0, 35

Previews

White Background



This preview shows how the RYB color 249, 49, 164 looks on a white background.

Color Contrast Check

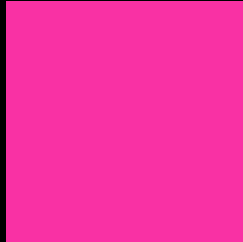
Large Text (above 18pt) WCAG AA ✓ Pass

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 249, 49, 164 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 249, 49, 164 Background



This preview shows how black text looks on a background with the RGB color 249, 49, 164.

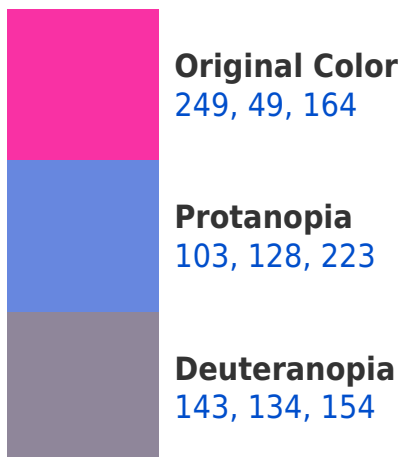


This preview shows how white text looks on a background with the RGB color 249, 49, 164.

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





Tritanopia
243, 77, 81

Trichromacy



Original Color

249, 49, 164



Protanomaly

156, 104, 202



Deuteranomaly

182, 103, 158



Tritanomaly

245, 67, 111

Monochromacy



Original Color

249, 49, 164



Achromatopsia

122, 122, 122



Achromatomaly

168, 95, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 249, 49, 164 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, 49, 164) looks like.

```
.text, #text, p{  
    color:rgb(249, 49, 164)  
}
```

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, 49, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 49, 164) }
```

Border

The CSS property to change the border of an element to RYB 249, 49, 164 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, 49, 164) }
```

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

```
.border{ border-color:rgb(249, 49, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 49, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 49, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 49, 164);  
box-shadow:4px 4px 4px 4px rgb(249, 49,  
164) }
```

Background

The CSS property to change the background color of an element to RGB 249, 49, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 49, 164) }
```

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

```
.background{ background-color: rgb(249, 49,  
164) }
```

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