

# Converting Colors

$Y_{xy}(29.0649, 0.4144, 0.2346)$

Have a look what the booklet for  
Yxy(29.0649, 0.4144, 0.2346)  
contains.

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# Color

**Yxy(29.1202, 0.4144, 0.2349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF49AF
RGB	255, 73, 175
RGB Percent	100%, 29%, 69%
CMY	0.0000, 0.7139, 0.3137
CMYK	0.00, 0.71, 0.31, 0.00
HSL	326°, 100%, 64%
HSV	326°, 71%, 100%
XYZ	51.3725, 29.1202, 43.4758
YIQ	139.0460, 75.7300, 70.3060

# Conversions

## Conversions Part 2

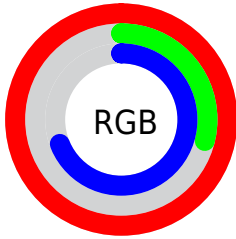
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 73, 175
Decimal	16730543
CIELab	60.89, 75.88, -14.71
CIElCh	61, 77.288, 349.029
Yxy	29.1202, 0.4144, 0.2349
Android (android.graphics.Color)	4294920623 (0xFFFF49AF)
YUV	139.0460, 17.7253, 101.6917
Hunter-Lab	53.9631, 75.4953, -9.9932

# Details

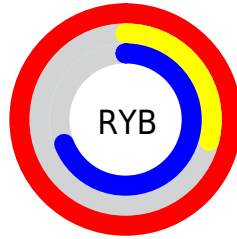
The Yxy color **29.1202, 0.4144, 0.2349** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.2323, 0.2735, 0.4650**, and the grayscale version is **25.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3575, 0.3395, 0.2341**, and **12.8994, 0.4407, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **26.0024, 0.4355, 0.2313**, and if you desaturate by 10%, it is **33.6338, 0.3942, 0.2431**.

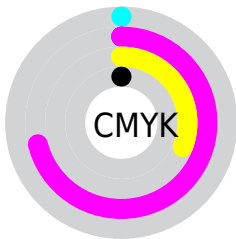
# Distribution



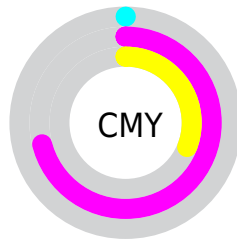
- Red (100%)
- Green (29%)
- Blue (69%)



- Red (100%)
- Yellow (29%)
- Blue (69%)



- Cyan (0%)
- Magenta (71%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1202, 0.4144, 0.2349 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 Yxy color 29.1202, 0.4144, 0.2349 by changing the saturation by 10% instead.




 29.1202, 0.4144,  
0.2349


 29.1202, 0.4144,  
0.2349


297.7817, 0.3619,  
0.2818


 19.1718, 0.4279,  
0.2234


 58.2680, 0.3950,  
0.2518


 11.7945, 0.4455,  
0.2088

 78.2362, 0.3878,  
0.2582

 6.6039, 0.4692,  
0.1897


 102.3130, 0.3817,  
0.2637

 3.2156, 0.5026,  
0.1640

 130.8830, 0.3766,  
0.2683

 1.2453, 0.5524,  
0.1283

164.3304, 0.3721,  
0.2724

 0.0983, 0.6676,  
0.0263

203.0398, 0.3683,

 0.0000, 1.0000,

0.2759

0.0000

247.3954, 0.3649,  
0.2790

■ 0.0000, 0.0000,  
0.0000

■ 29.1202, 0.4144,  
0.2349

■ 29.1202, 0.4144,  
0.2349

■ 26.0024, 0.4355,  
0.2313

■ 33.6338, 0.3942,  
0.2431

■ 24.1186, 0.4565,  
0.2330


■ 39.7127, 0.3756,  
0.2547

■ 23.2419, 0.4740,  
0.2385

■ 47.4817, 0.3591,  
0.2684

■ 57.0579, 0.3448,  
0.2832

■ 68.5477, 0.3326,  
0.2983

 82.0494, 0.3223,  
0.3130

 97.6545, 0.3138,  
0.3271

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.1202, 0.2852, 0.1844



29.1202, 0.4144, 0.2349



29.1202, 0.5226, 0.3024

# Triad

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



29.1202, 0.4144, 0.2349



29.1202, 0.4057, 0.5411



29.1202, 0.1196, 0.2070

# Complementary

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



29.1202, 0.4144, 0.2349



75.2323, 0.2735, 0.4650

# 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.



29.1202, 0.1370, 0.3044



29.1202, 0.4144, 0.2349



29.1202, 0.2973, 0.5592

# Square

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



29.1202, 0.4144, 0.2349



29.1202, 0.4994, 0.4613



29.1202, 0.1980, 0.4544



29.1202, 0.1368, 0.1650



# Rectangle

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



29.1202, 0.4144, 0.2349



29.1202, 0.5511, 0.3518



29.1202, 0.1980, 0.4544



29.1202, 0.1212, 0.2323

# Sweetspot

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



29.1138, 0.4144, 0.2349



69.0396, 0.3321, 0.2989



18.6380, 0.2247, 0.1256



14.0514, 0.3353, 0.2947



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



29.1138, 0.4144, 0.2349



24.9946, 0.4452, 0.2314



26.6755, 0.5433, 0.3202



18.1577, 0.3206, 0.3158



12.1750, 0.4708, 0.2367



1.2074, 0.4489, 0.2247



# Inverse Universe

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



29.1138, 0.4144, 0.2349



24.9946, 0.4452, 0.2314



79.3972, 0.2364, 0.3434



18.1577, 0.3206, 0.3158



12.1750, 0.4708, 0.2367



1.2074, 0.4489, 0.2247



# Previews

## White Background



This preview shows how the Yxy color 29.1202, 0.4144, 0.2349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

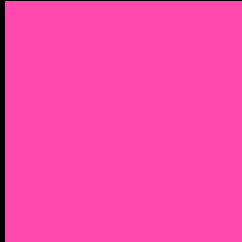
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1202, 0.4144, 0.2349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

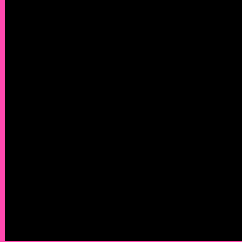
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.1202, 0.4144, 0.2349**

## Background



This preview shows how black text looks on a background with the Yxy color 29.1202, 0.4144, 0.2349.



This preview shows how white text looks on a background with the Yxy color 29.1202, 0.4144, 0.2349.

# 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

29.1202, 0.4144, 0.2349

### Protanopia

29.5933, 0.2288, 0.2161

### Deuteranopia

29.1338, 0.3019, 0.2957



## Tritanopia

29.0460, 0.5070, 0.3249

# Trichromacy



## Original Color

29.1202, 0.4144, 0.2349



## Protanomaly

26.0235, 0.2781, 0.2128



## Deuteranomaly

26.7686, 0.3402, 0.2611



## Tritanomaly

28.6971, 0.4752, 0.2905

# Monochromacy



## Original Color

29.1202, 0.4144, 0.2349



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

24.3522, 0.3507, 0.2768

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1202, 0.4144, 0.2349 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, 73, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 175)  
}
```

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, 73, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1202, 0.4144, 0.2349 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, 73, 175) }
```

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

```
.border{ border-color:rgb(255, 73, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 73, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 73, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 73, 175); box-shadow:4px 4px 4px 4px rgb(255, 73, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.1202, 0.4144, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 175) }
```

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

```
.background{ background-color: rgb(255, 73,  
175) }
```

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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