

# Converting Colors

$Y_{xy}(49.7266, 0.3670, 0.3020)$

Have a look what the booklet for  
Yxy(49.7266, 0.3670, 0.3020)  
contains.

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# Color

**Yxy(49.8179, 0.3668, 0.3022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6A4BD
RGB	246, 164, 189
RGB Percent	96%, 64%, 74%
CMY	0.0353, 0.3568, 0.2589
CMYK	0.00, 0.33, 0.23, 0.04
HSL	342°, 82%, 80%
HSV	342°, 33%, 96%
XYZ	60.4673, 49.8179, 54.5656
YIQ	191.3680, 40.8470, 25.1590

# Conversions

## Conversions Part 2

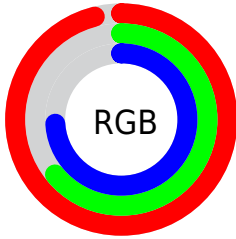
Format	Color
R <sub>Y</sub> B	246, 164, 189
Decimal	16164029
CIE Lab	75.96, 33.66, -0.31
CIE LCh	76, 33.662, 359.466
Yxy	49.8179, 0.3668, 0.3022
Android (android.graphics.Color)	4294354109 (0xFFF6A4BD)
YUV	191.3680, -1.1674, 47.9123
Hunter-Lab	70.5818, 29.4024, 3.5712

# Details

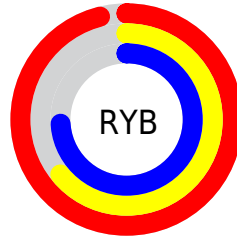
The Yxy color **49.8179, 0.3668, 0.3022** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.0302, 0.2777, 0.3579**, and the grayscale version is **52.3154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0390, 0.3209, 0.3045**, and **23.8378, 0.3812, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **41.1505, 0.3912, 0.2941**, and if you desaturate by 10%, it is **60.2805, 0.3466, 0.3106**.

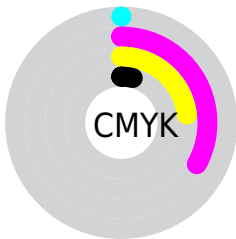
# Distribution



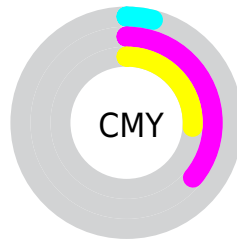
- Red (96%)
- Green (64%)
- Blue (74%)



- Red (96%)
- Yellow (64%)
- Blue (74%)



- Cyan (0%)
- Magenta (33%)
- Yellow (23%)
- Black (4%)




- Cyan (4%)
- Magenta (36%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8179, 0.3668, 0.3022 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 49.8179, 0.3668, 0.3022 by changing the saturation by 10% instead.




 49.8179, 0.3668,  
0.3022

 49.8179, 0.3668,  
0.3022


385.9534, 0.3401,  
0.3154

 35.2687, 0.3734,  
0.2990


 89.9050, 0.3572,  
0.3070

 23.8700, 0.3817,  
0.2948


 116.2117, 0.3535,  
0.3088

 15.2372, 0.3927,  
0.2894


147.2064, 0.3504,  
0.3103

 8.9860, 0.4079,  
0.2819

183.2735, 0.3478,  
0.3116

 4.7321, 0.4299,  
0.2711

224.7974, 0.3455,  
0.3128

 2.0909, 0.4649,  
0.2539

272.1623, 0.3435,

 0.6595, 0.5344,

0.3138

0.2194

325.7529, 0.3417,  
0.3146

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.8179, 0.3668,  
0.3022

49.8179, 0.3668,  
0.3022

41.1505, 0.3912,  
0.2941

60.2805, 0.3466,  
0.3106

34.1698, 0.4201,  
0.2870

72.6247, 0.3301,  
0.3188

28.7661, 0.4532,  
0.2819

86.9400, 0.3166,  
0.3265

24.8140, 0.4892,  
0.2800

98.3340, 0.3072,  
0.3290

■ 22.1685, 0.5258,  
0.2824

■ 20.6542, 0.5594,  
0.2896

■ 20.1013, 0.5790,  
0.2963

# Harmonies

## Analogous

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



49.8179, 0.3214, 0.2736



49.8179, 0.3668, 0.3022



49.8179, 0.3978, 0.3379

# Triad

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



49.8179, 0.3668, 0.3022



49.8179, 0.3447, 0.4122



49.8179, 0.2291, 0.2751

# Complementary

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



49.8179, 0.3668, 0.3022



79.0302, 0.2777, 0.3579

# 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.



49.8179, 0.2343, 0.3104



49.8179, 0.3668, 0.3022



49.8179, 0.2991, 0.3953

# Square

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



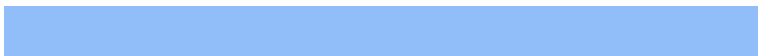
49.8179, 0.3668, 0.3022



49.8179, 0.3834, 0.4024



49.8179, 0.2591, 0.3558



49.8179, 0.2439, 0.2572



# Rectangle

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



49.8179, 0.3668, 0.3022



49.8179, 0.4048, 0.3625



49.8179, 0.2591, 0.3558



49.8179, 0.2286, 0.2851

# Sweetspot

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



49.8202, 0.3668, 0.3022



83.7059, 0.3253, 0.3214



48.4286, 0.2953, 0.2406



17.4641, 0.3273, 0.3203



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.



49.8202, 0.3668, 0.3022



47.5064, 0.3828, 0.2967



54.5301, 0.3855, 0.3455



16.5656, 0.3246, 0.3218



10.7505, 0.5747, 0.2940



0.9624, 0.5393, 0.2745



# Inverse Universe

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



49.8202, 0.3668, 0.3022



47.5064, 0.3828, 0.2967



71.6839, 0.2631, 0.3116



16.5656, 0.3246, 0.3218



10.7505, 0.5747, 0.2940



0.9624, 0.5393, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 49.8179, 0.3668, 0.3022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

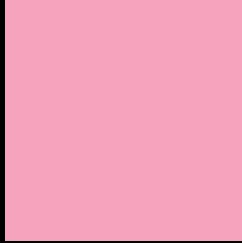
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8179, 0.3668, 0.3022 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](#).

**Yxy 49.8179, 0.3668, 0.3022**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8179, 0.3668, 0.3022.



This preview shows how white text looks on a background with the Yxy color 49.8179, 0.3668, 0.3022.

# 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

49.8179, 0.3668, 0.3022

### Protanopia

49.9469, 0.3014, 0.3091

### Deuteranopia

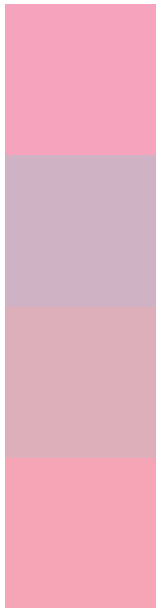
50.1229, 0.3302, 0.3242



## Tritanopia

49.8993, 0.3758, 0.3161

# Trichromacy



## Original Color

49.8179, 0.3668, 0.3022

## Protanomaly

49.2819, 0.3233, 0.3063

## Deuteranomaly

49.6200, 0.3437, 0.3151

## Tritanomaly

49.7001, 0.3723, 0.3107

# Monochromacy



## Original Color

49.8179, 0.3668, 0.3022

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

50.6143, 0.3313, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8179, 0.3668, 0.3022 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(246, 164, 189)` looks like.

```
.text, #text, p{  
    color:rgb(246, 164, 189)  
}
```

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(246, 164, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 164, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8179, 0.3668, 0.3022 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(246, 164, 189) }
```

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

```
.border{ border-color:rgb(246, 164, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 164, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 164, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 164, 189);  
box-shadow:4px 4px 4px 4px rgb(246, 164,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8179, 0.3668, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 164, 189) }
```

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

```
.background{ background-color: rgb(246,  
164, 189) }
```

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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