

# Converting Colors

$Y_{xy}(48.4895, 0.3920, 0.3021)$

Have a look what the booklet for  
Yxy(48.4895, 0.3920, 0.3021)  
contains.

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# Color

**Yxy(47.3378, 0.3869, 0.3009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99B4
RGB	255, 153, 180
RGB Percent	100%, 60%, 71%
CMY	0.0000, 0.4000, 0.2941
CMYK	0.00, 0.40, 0.29, 0.00
HSL	344°, 100%, 80%
HSV	344°, 40%, 100%
XYZ	60.8674, 47.3378, 49.1155
YIQ	186.5760, 52.1250, 30.0210

# Conversions

## Conversions Part 2

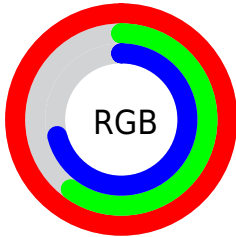
Format	Color
R <sub>Y</sub> B	255, 153, 180
Decimal	16751028
CIE Lab	74.41, 41.30, 2.49
CIE LCh	74, 41.372, 3.445
Yxy	47.3378, 0.3869, 0.3009
Android (android.graphics.Color)	4294941108 (0xFFFF99B4)
YUV	186.5760, -3.2420, 60.0078
Hunter-Lab	68.8025, 37.5090, 5.8368

# Details

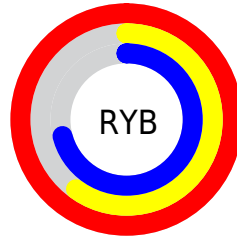
The Yxy color **47.3378, 0.3869, 0.3009** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.8872, 0.2699, 0.3600**, and the grayscale version is **49.4416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9171, 0.3281, 0.3021**, and **22.3824, 0.4083, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **39.1521, 0.4162, 0.2944**, and if you desaturate by 10%, it is **57.4148, 0.3624, 0.3081**.

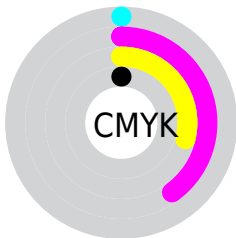
# Distribution



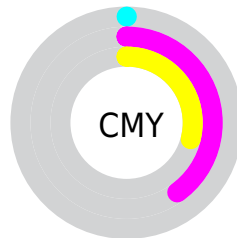
- Red (100%)
- Green (60%)
- Blue (71%)



- Red (100%)
- Yellow (60%)
- Blue (71%)



- Cyan (0%)
- Magenta (40%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3378, 0.3869, 0.3009 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 47.3378, 0.3869, 0.3009 by changing the saturation by 10% instead.





 47.3378, 0.3869,  
0.3009


 47.3378, 0.3869,  
0.3009


376.1613, 0.3499,  
0.3152

 33.3028, 0.3961,  
0.2973


 86.2176, 0.3735,  
0.3061

 22.3585, 0.4079,  
0.2927


 111.8312, 0.3684,  
0.3081

 14.1206, 0.4235,  
0.2865


142.0732, 0.3641,  
0.3097

 8.2046, 0.4450,  
0.2778

177.3278, 0.3605,  
0.3111

 4.2261, 0.4766,  
0.2648

217.9795, 0.3573,  
0.3123

 1.8008, 0.5269,  
0.2437

264.4127, 0.3545,

 0.4877, 0.6602,

0.3134

0.1961

317.0119, 0.3520,  
0.3143

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.3378, 0.3869,  
0.3009

47.3378, 0.3869,  
0.3009

39.1521, 0.4162,  
0.2944

57.4148, 0.3624,  
0.3081

32.7320, 0.4502,  
0.2895

69.4845, 0.3423,  
0.3154

27.9475, 0.4879,  
0.2872

83.6494, 0.3260,  
0.3224

24.6474, 0.5267,  
0.2887

99.9979, 0.3127,  
0.3290

■ 22.6518, 0.5629,  
0.2946

■ 21.6699, 0.5929,  
0.3040

■ 21.6694, 0.5929,  
0.3040

# Harmonies

## Analogous

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



47.3378, 0.3308, 0.2651



47.3378, 0.3869, 0.3009



47.3378, 0.4223, 0.3444

# Triad

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



47.3378, 0.3869, 0.3009



47.3378, 0.3438, 0.4335



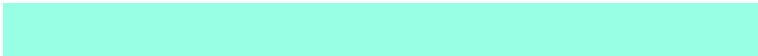
47.3378, 0.2115, 0.2574

# Complementary

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



47.3378, 0.3869, 0.3009



83.8872, 0.2699, 0.3600

# 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.



47.3378, 0.2142, 0.2977



47.3378, 0.3869, 0.3009



47.3378, 0.2876, 0.4082

# Square

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



47.3378, 0.3869, 0.3009



47.3378, 0.3943, 0.4229



47.3378, 0.2408, 0.3545



47.3378, 0.2322, 0.2397



# Rectangle

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



47.3378, 0.3869, 0.3009



47.3378, 0.4274, 0.3741



47.3378, 0.2408, 0.3545



47.3378, 0.2097, 0.2684

# Sweetspot

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



47.3401, 0.3869, 0.3009



80.6414, 0.3290, 0.3210



46.4661, 0.2948, 0.2232



16.8505, 0.3310, 0.3201



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.



47.3401, 0.3869, 0.3009



40.6427, 0.4100, 0.2956



54.9261, 0.4042, 0.3543



18.0660, 0.3252, 0.3227



11.3446, 0.5888, 0.3017



1.1217, 0.5571, 0.2843



# Inverse Universe

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



47.3401, 0.3869, 0.3009



40.6427, 0.4100, 0.2956



71.2534, 0.2532, 0.3016



18.0660, 0.3252, 0.3227



11.3446, 0.5888, 0.3017



1.1217, 0.5571, 0.2843



# Previews

## White Background



This preview shows how the Yxy color 47.3378, 0.3869, 0.3009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

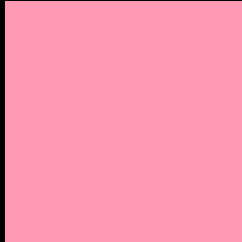
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.3378, 0.3869, 0.3009 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 47.3378, 0.3869, 0.3009**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.3378, 0.3869, 0.3009.

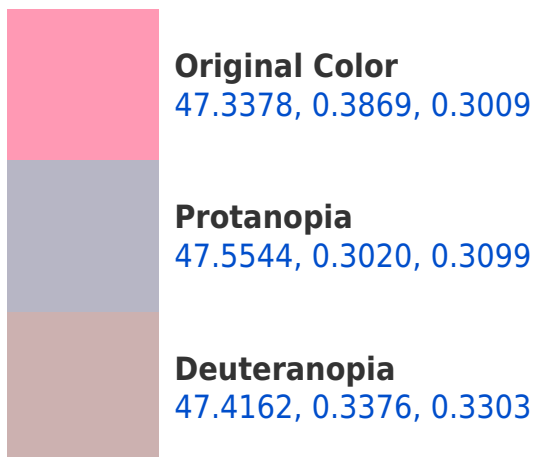


This preview shows how white text looks on a background with the Yxy color 47.3378, 0.3869, 0.3009.

# 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

47.3035, 0.3987, 0.3166

# Trichromacy



## Original Color

47.3378, 0.3869, 0.3009

## Protanomaly

46.4427, 0.3300, 0.3049

## Deuteranomaly

46.8676, 0.3560, 0.3186

## Tritanomaly

47.1606, 0.3939, 0.3102

# Monochromacy



## Original Color

47.3378, 0.3869, 0.3009

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.1177, 0.3382, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3378, 0.3869, 0.3009 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, 153, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 180)  
}
```

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, 153, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3378, 0.3869, 0.3009 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, 153, 180) }
```

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

```
.border{ border-color:rgb(255, 153, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3378, 0.3869, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 180) }
```

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

```
.background{ background-color: rgb(255,  
153, 180) }
```

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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