

# Converting Colors

$Y_{xy}(47.1889, 0.3903, 0.3043)$

Have a look what the booklet for  
Yxy(47.1889, 0.3903, 0.3043)  
contains.

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# Color

**Yxy(47.2168, 0.3900, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99B1
RGB	255, 153, 177
RGB Percent	100%, 60%, 69%
CMY	0.0000, 0.4000, 0.3058
CMYK	0.00, 0.40, 0.31, 0.00
HSL	346°, 100%, 80%
HSV	346°, 40%, 100%
XYZ	60.5742, 47.2168, 47.5274
YIQ	186.2340, 53.0880, 29.0880

# Conversions

## Conversions Part 2

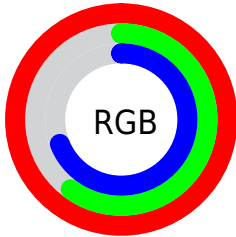
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 177
Decimal	16751025
CIE Lab	74.33, 40.94, 4.02
CIE LCh	74, 41.133, 5.615
Yxy	47.2168, 0.3900, 0.3040
Android (android.graphics.Color)	4294941105 (0xFFFF99B1)
YUV	186.2340, -4.5524, 60.3078
Hunter-Lab	68.7145, 37.1036, 7.0913

# Details

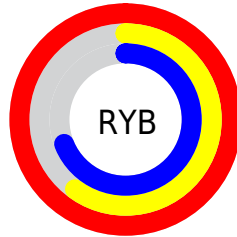
The Yxy color **47.2168, 0.3900, 0.3040** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.0594, 0.2685, 0.3564**, and the grayscale version is **49.2425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7441, 0.3302, 0.3050**, and **22.3308, 0.4113, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **39.0188, 0.4206, 0.2983**, and if you desaturate by 10%, it is **57.3063, 0.3644, 0.3104**.

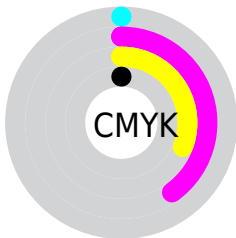
# Distribution



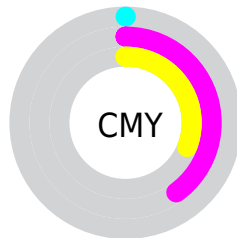
- Red (100%)
- Green (60%)
- Blue (69%)



- Red (100%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2168, 0.3900, 0.3040 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 47.2168, 0.3900, 0.3040 by changing the saturation by 10% instead.





 47.2168, 0.3900,  
0.3040


 47.2168, 0.3900,  
0.3040

375.6792, 0.3513,  
0.3169

 33.2071, 0.3996,  
0.3007


 86.0371, 0.3760,  
0.3088

 22.2851, 0.4120,  
0.2964


 111.6166, 0.3707,  
0.3105

 14.0666, 0.4283,  
0.2906

141.8213, 0.3662,  
0.3120

 8.1670, 0.4509,  
0.2824

177.0358, 0.3624,  
0.3133

 4.2020, 0.4841,  
0.2701

217.6445, 0.3591,  
0.3144

 1.7872, 0.5369,  
0.2495

264.0317, 0.3562,

 0.4792, 0.6919,

0.3153

0.2052

316.5818, 0.3536,  
0.3161

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.2168, 0.3900,  
0.3040

47.2168, 0.3900,  
0.3040

39.0188, 0.4206,  
0.2983

57.3063, 0.3644,  
0.3104

32.5974, 0.4562,  
0.2940

69.4006, 0.3435,  
0.3169

27.8180, 0.4955,  
0.2923

83.5989, 0.3265,  
0.3231

24.5288, 0.5357,  
0.2941

99.9950, 0.3127,  
0.3290

■ 22.5492, 0.5725,  
0.3000

100.0000, 0.3127,  
0.3290

■ 21.5870, 0.6019,  
0.3089

# Harmonies

## Analogous

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



47.2168, 0.3350, 0.2676



47.2168, 0.3900, 0.3040



47.2168, 0.4230, 0.3476

# Triad

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



47.2168, 0.3900, 0.3040



47.2168, 0.3397, 0.4324



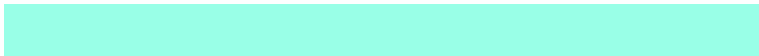
47.2168, 0.2126, 0.2557

# Complementary

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



47.2168, 0.3900, 0.3040



84.0594, 0.2685, 0.3564

# 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.



47.2168, 0.2136, 0.2942



47.2168, 0.3900, 0.3040



47.2168, 0.2839, 0.4046

# Square

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



47.2168, 0.3900, 0.3040



47.2168, 0.3908, 0.4242



47.2168, 0.2384, 0.3501



47.2168, 0.2349, 0.2396



# Rectangle

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



47.2168, 0.3900, 0.3040



47.2168, 0.4265, 0.3771



47.2168, 0.2384, 0.3501



47.2168, 0.2103, 0.2661

# Sweetspot

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



47.2153, 0.3900, 0.3040



80.5905, 0.3296, 0.3219



46.7402, 0.2962, 0.2236



16.8386, 0.3317, 0.3211



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.



47.2153, 0.3900, 0.3040



40.5143, 0.4141, 0.2993



55.5976, 0.4035, 0.3561



18.0572, 0.3257, 0.3234



11.2987, 0.5980, 0.3068



1.1162, 0.5669, 0.2896



# Inverse Universe

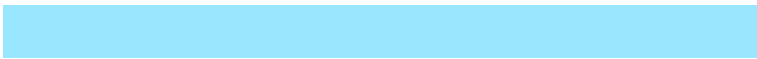
The Inverse Universe completely reimagines the original color for something new.



47.2153, 0.3900, 0.3040



40.5143, 0.4141, 0.2993



70.3063, 0.2528, 0.2996



18.0572, 0.3257, 0.3234



11.2987, 0.5980, 0.3068

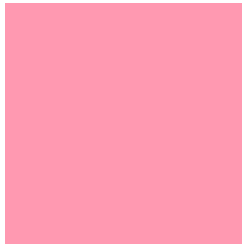


1.1162, 0.5669, 0.2896



# Previews

## White Background



This preview shows how the Yxy color 47.2168, 0.3900, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

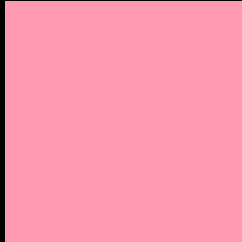
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2168, 0.3900, 0.3040 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 47.2168, 0.3900, 0.3040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2168, 0.3900, 0.3040.



This preview shows how white text looks on a background with the Yxy color 47.2168, 0.3900, 0.3040.

# 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

47.2168, 0.3900, 0.3040

### Protanopia

47.4182, 0.3042, 0.3137

### Deuteranopia

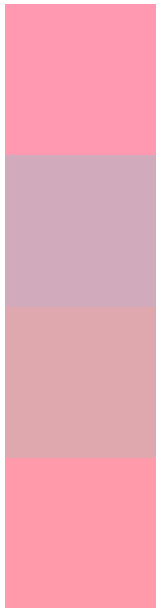
47.4405, 0.3411, 0.3340



## Tritanopia

47.2667, 0.3997, 0.3176

# Trichromacy



## Original Color

47.2168, 0.3900, 0.3040

## Protanomaly

46.3120, 0.3326, 0.3085

## Deuteranomaly

46.7492, 0.3588, 0.3221

## Tritanomaly

47.0843, 0.3959, 0.3124

# Monochromacy



## Original Color

47.2168, 0.3900, 0.3040

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

47.5399, 0.3383, 0.3182

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2168, 0.3900, 0.3040 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2168, 0.3900, 0.3040 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, 177) }
```

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

```
.border{ border-color:rgb(255, 153, 177) }
```

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, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2168, 0.3900, 0.3040 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
153, 177) }
```

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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