

# Converting Colors

$Y_{xy}(48.0009, 0.3907, 0.3083)$

Have a look what the booklet for  
Yxy(48.0009, 0.3907, 0.3083)  
contains.

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# **Color**

**Yxy(48.1321, 0.3911, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9CAF
RGB	255, 156, 175
RGB Percent	100%, 61%, 69%
CMY	0.0000, 0.3882, 0.3139
CMYK	0.00, 0.39, 0.31, 0.00
HSL	349°, 100%, 81%
HSV	349°, 39%, 100%
XYZ	60.8615, 48.1321, 46.6226
YIQ	187.7670, 52.9050, 26.8970

# Conversions

## Conversions Part 2

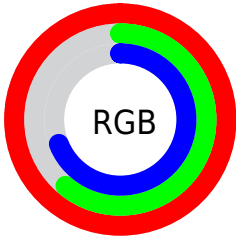
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 156, 175
Decimal	16751791
CIE Lab	74.91, 39.12, 5.99
CIE LCh	75, 39.572, 8.711
Yxy	48.1321, 0.3911, 0.3093
Android (android.graphics.Color)	4294941871 (0xFFFF9CAF)
YUV	187.7670, -6.2941, 58.9633
Hunter-Lab	69.3773, 35.1795, 8.7203

# Details

The Yxy color **48.1321, 0.3911, 0.3093** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.6430, 0.2675, 0.3504**, and the grayscale version is **50.1651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0601, 0.3320, 0.3110**, and **22.8663, 0.4128, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **39.7062, 0.4231, 0.3046**, and if you desaturate by 10%, it is **58.4825, 0.3645, 0.3145**.

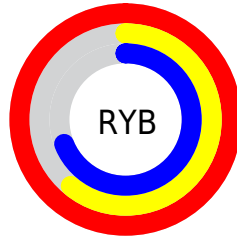
# Distribution



Red (100%)

Green (61%)

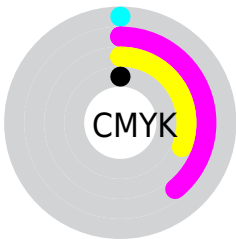
Blue (69%)



Red (100%)

Yellow (61%)

Blue (69%)

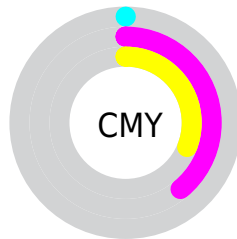


Cyan (0%)

Magenta (39%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1321, 0.3911, 0.3093 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 48.1321, 0.3911, 0.3093 by changing the saturation by 10% instead.





 48.1321, 0.3911,  
0.3093

 48.1321, 0.3911,  
0.3093


379.3155, 0.3519,  
0.3197

 33.9315, 0.4008,  
0.3066


 87.4011, 0.3769,  
0.3132

 22.8410, 0.4133,  
0.3030


 113.2382, 0.3715,  
0.3146

 14.4761, 0.4298,  
0.2981


143.7230, 0.3670,  
0.3158

 8.4526, 0.4526,  
0.2911

179.2399, 0.3631,  
0.3168

 4.3859, 0.4859,  
0.2803

220.1731, 0.3598,  
0.3177

 1.8917, 0.5388,  
0.2619

266.9072, 0.3568,

 0.5434, 0.6963,

0.3184

0.2305

319.8266, 0.3542,  
0.3191

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.1321, 0.3911,  
0.3093

48.1321, 0.3911,  
0.3093

39.7062, 0.4231,  
0.3046

58.4825, 0.3645,  
0.3145

33.0789, 0.4605,  
0.3012

70.8591, 0.3428,  
0.3198

28.1204, 0.5018,  
0.2998

85.3647, 0.3253,  
0.3248

24.6801, 0.5438,  
0.3015

99.9985, 0.3127,  
0.3290

■ 22.5802, 0.5818,  
0.3067

■ 21.5655, 0.6108,  
0.3146

■ 21.4788, 0.6137,  
0.3154

# Harmonies

## Analogous

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



48.1321, 0.3400, 0.2731



48.1321, 0.3911, 0.3093



48.1321, 0.4197, 0.3517

# Triad

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



48.1321, 0.3911, 0.3093



48.1321, 0.3332, 0.4264



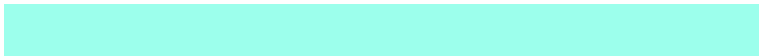
48.1321, 0.2178, 0.2563

# Complementary

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



48.1321, 0.3911, 0.3093



84.6430, 0.2675, 0.3504

# 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.



48.1321, 0.2164, 0.2913



48.1321, 0.3911, 0.3093



48.1321, 0.2801, 0.3964

# Square

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



48.1321, 0.3911, 0.3093



48.1321, 0.3833, 0.4224



48.1321, 0.2381, 0.3434



48.1321, 0.2415, 0.2428



# Rectangle

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



48.1321, 0.3911, 0.3093



48.1321, 0.4208, 0.3798



48.1321, 0.2381, 0.3434



48.1321, 0.2148, 0.2656

# Sweetspot

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



48.1344, 0.3911, 0.3093



80.5143, 0.3305, 0.3232



48.6973, 0.3009, 0.2280



16.8208, 0.3327, 0.3226



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.



48.1344, 0.3911, 0.3093



41.1019, 0.4169, 0.3054



58.6544, 0.3977, 0.3604



18.0439, 0.3264, 0.3245



11.2400, 0.6102, 0.3135



1.1087, 0.5808, 0.2973



# Inverse Universe

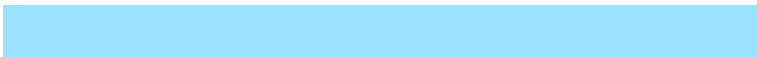
The Inverse Universe completely reimagines the original color for something new.



48.1344, 0.3911, 0.3093



41.1019, 0.4169, 0.3054



68.3013, 0.2536, 0.2947



18.0439, 0.3264, 0.3245



11.2400, 0.6102, 0.3135

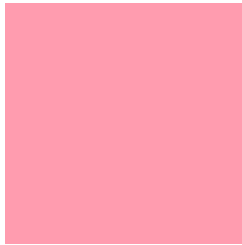


1.1087, 0.5808, 0.2973



# Previews

## White Background



This preview shows how the Yxy color 48.1321, 0.3911, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

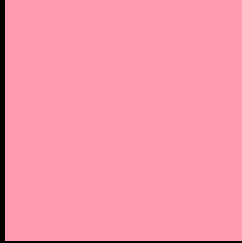
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1321, 0.3911, 0.3093 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 48.1321, 0.3911, 0.3093**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1321, 0.3911, 0.3093.



This preview shows how white text looks on a background with the Yxy color 48.1321, 0.3911, 0.3093.

# 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

48.1321, 0.3911, 0.3093

### Protanopia

48.4817, 0.3090, 0.3201

### Deuteranopia

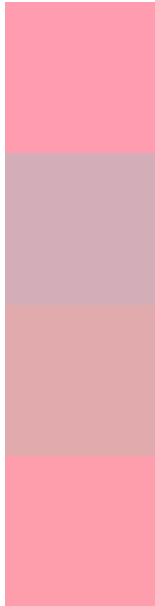
48.1910, 0.3453, 0.3377



## Tritanopia

48.0493, 0.3959, 0.3166

# Trichromacy



## Original Color

48.1321, 0.3911, 0.3093

## Protanomaly

47.6238, 0.3366, 0.3158

## Deuteranomaly

47.7356, 0.3620, 0.3268

## Tritanomaly

48.1250, 0.3939, 0.3144

# Monochromacy



## Original Color

48.1321, 0.3911, 0.3093

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

48.4666, 0.3389, 0.3207

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1321, 0.3911, 0.3093 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, 156, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 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, 156, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1321, 0.3911, 0.3093 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, 156, 175) }
```

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

```
.border{ border-color:rgb(255, 156, 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, 156, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 156, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 156, 175); box-shadow:4px 4px 4px 4px rgb(255, 156, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1321, 0.3911, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 175) }
```

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

```
.background{ background-color: rgb(255,  
156, 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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