

Converting Colors

$Y_{xy}(46.9909, 0.3876, 0.3002)$

Have a look what the booklet for
Yxy(46.9909, 0.3876, 0.3002)
contains.

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Color

Yxy(47.0118, 0.3872, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	FF98B4
RGB	255, 152, 180
RGB Percent	100%, 60%, 71%
CMY	0.0001, 0.4038, 0.2942
CMYK	0.00, 0.40, 0.29, 0.00
HSL	344°, 100%, 80%
HSV	344°, 40%, 100%
XYZ	60.6968, 47.0118, 49.0497
YIQ	185.9890, 52.4000, 30.5440

Conversions

Conversions Part 2

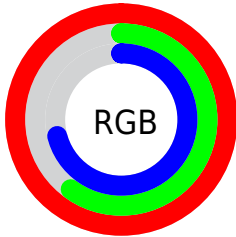
Format	Color
R _Y B	255, 152, 180
Decimal	16750772
CIE Lab	74.20, 41.79, 2.20
CIE LCh	74, 41.848, 3.008
Yxy	47.0118, 0.3872, 0.2999
Android (android.graphics.Color)	4294940852 (0xFFFF98B4)
YUV	185.9890, -2.9526, 60.5226
Hunter-Lab	68.5652, 38.0268, 5.5811

Details

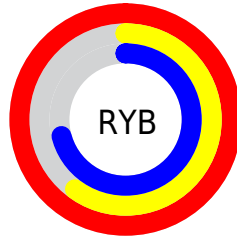
The Yxy color **47.0118, 0.3872, 0.2999** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.7238, 0.2699, 0.3611**, and the grayscale version is **49.0934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4279, 0.3282, 0.3011**, and **22.1917, 0.4088, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **38.8997, 0.4164, 0.2933**, and if you desaturate by 10%, it is **57.0087, 0.3628, 0.3073**.

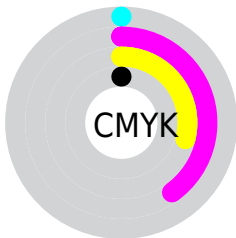
Distribution



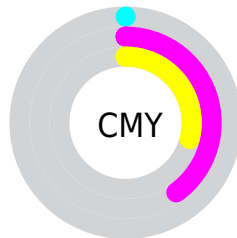
- Red (100%)
- Green (60%)
- Blue (71%)



- 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 47.0118, 0.3872, 0.2999 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 47.0118, 0.3872, 0.2999 by changing the saturation by 10% instead.


 47.0118, 0.3872,
0.2999

 47.0118, 0.3872,
0.2999


374.8616, 0.3500,
0.3146

 33.0450, 0.3965,
0.2962


 85.7312, 0.3737,
0.3053

 22.1609, 0.4083,
0.2914


 111.2526, 0.3686,
0.3073

 13.9752, 0.4240,
0.2850


141.3944, 0.3643,
0.3090

 8.1034, 0.4457,
0.2761

176.5408, 0.3606,
0.3105

 4.1612, 0.4775,
0.2627

217.0764, 0.3574,
0.3117

 1.7641, 0.5283,
0.2411

263.3854, 0.3546,

 0.4647, 0.6656,

0.3128

0.1902

315.8524, 0.3522,
0.3138

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0118, 0.3872,
0.2999

47.0118, 0.3872,
0.2999

38.8997, 0.4164,
0.2933

57.0087, 0.3628,
0.3073

32.5464, 0.4502,
0.2883

68.9922, 0.3427,
0.3147

27.8215, 0.4876,
0.2860

83.0647, 0.3264,
0.3220

24.5731, 0.5261,
0.2875

99.3198, 0.3132,
0.3288

■ 22.6202, 0.5619,
0.2936

99.9939, 0.3127,
0.3290

■ 21.6868, 0.5907,
0.3028

Harmonies

Analogous

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



47.0118, 0.3301, 0.2639



47.0118, 0.3872, 0.2999



47.0118, 0.4235, 0.3438

Triad

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



47.0118, 0.3872, 0.2999



47.0118, 0.3450, 0.4351



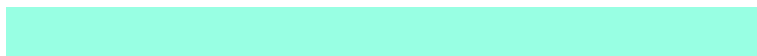
47.0118, 0.2101, 0.2569

Complementary

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



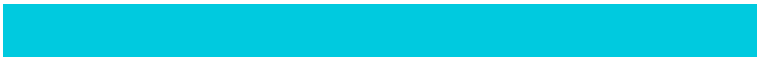
47.0118, 0.3872, 0.2999



83.7238, 0.2699, 0.3611

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.



47.0118, 0.2132, 0.2979



47.0118, 0.3872, 0.2999



47.0118, 0.2880, 0.4100

Square

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



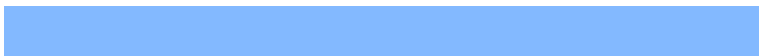
47.0118, 0.3872, 0.2999



47.0118, 0.3959, 0.4237



47.0118, 0.2404, 0.3557



47.0118, 0.2307, 0.2386

Rectangle

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



47.0118, 0.3872, 0.2999



47.0118, 0.4290, 0.3739



47.0118, 0.2404, 0.3557



47.0118, 0.2084, 0.2681

Sweetspot

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



47.0141, 0.3872, 0.2999



80.6533, 0.3288, 0.3208



45.8198, 0.2932, 0.2217



16.8533, 0.3308, 0.3199



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.



47.0141, 0.3872, 0.2999



40.6734, 0.4090, 0.2947



53.9219, 0.4062, 0.3527



18.0681, 0.3251, 0.3226



11.3563, 0.5866, 0.3005



1.1231, 0.5547, 0.2830

Inverse Universe

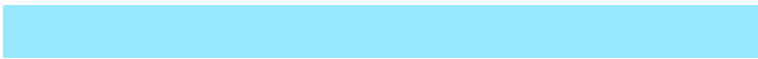
The Inverse Universe completely reimagines the original color for something new.



47.0141, 0.3872, 0.2999



40.6734, 0.4090, 0.2947



71.9837, 0.2530, 0.3033



18.0681, 0.3251, 0.3226



11.3563, 0.5866, 0.3005



1.1231, 0.5547, 0.2830

Previews

White Background



This preview shows how the Yxy color 47.0118, 0.3872, 0.2999 looks on a white background.

Color Contrast Check

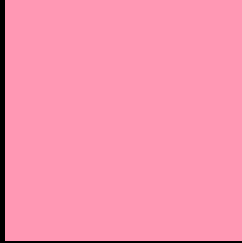
Large Text (above 18pt) WCAG AA × Fail

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 47.0118, 0.3872, 0.2999 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 47.0118, 0.3872, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 47.0118, 0.3872, 0.2999.



This preview shows how white text looks on a background with the Yxy color 47.0118, 0.3872, 0.2999.

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

47.0118, 0.3872, 0.2999

Protanopia

47.4322, 0.3011, 0.3099

Deuteranopia

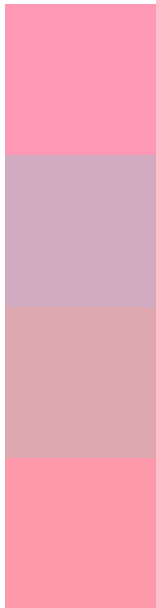
47.2754, 0.3367, 0.3303



Tritanopia

46.9352, 0.4001, 0.3166

Trichromacy



Original Color

47.0118, 0.3872, 0.2999

Protanomaly

46.4427, 0.3300, 0.3049

Deuteranomaly

46.7092, 0.3550, 0.3185

Tritanomaly

46.7936, 0.3953, 0.3102

Monochromacy



Original Color

47.0118, 0.3872, 0.2999

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.5817, 0.3375, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0118, 0.3872, 0.2999 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, 152, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 180) }
```

Border

The CSS property to change the border of an element to Yxy 47.0118, 0.3872, 0.2999 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, 152, 180) }
```

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

```
.border{ border-color:rgb(255, 152, 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, 152, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0118, 0.3872, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 180) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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