

Converting Colors

$Y_{xy}(47.3657, 0.3864, 0.3004)$

Have a look what the booklet for
Yxy(47.3657, 0.3864, 0.3004)
contains.

Yxy(47.3787, 0.3859, 0.2999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.3787, 0.3859, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	FF99B5
RGB	255, 153, 181
RGB Percent	100%, 60%, 71%
CMY	0.0001, 0.3999, 0.2903
CMYK	0.00, 0.40, 0.29, 0.00
HSL	344°, 100%, 80%
HSV	344°, 40%, 100%
XYZ	60.9651, 47.3787, 49.6378
YIQ	186.6900, 51.8040, 30.3320

Conversions

Conversions Part 2

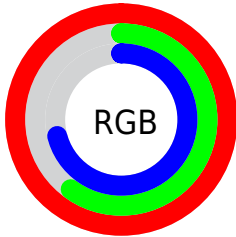
Format	Color
R _Y B	255, 153, 181
Decimal	16751029
CIE Lab	74.43, 41.42, 1.99
CIE LCh	74, 41.463, 2.750
Yxy	47.3787, 0.3859, 0.2999
Android (android.graphics.Color)	4294941109 (0xFFFF99B5)
YUV	186.6900, -2.8052, 59.9079
Hunter-Lab	68.8322, 37.6423, 5.4260

Details

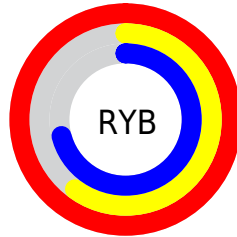
The Yxy color **47.3787, 0.3859, 0.2999** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.8296, 0.2704, 0.3611**, and the grayscale version is **49.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9754, 0.3274, 0.3011**, and **22.4086, 0.4069, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **39.1960, 0.4148, 0.2932**, and if you desaturate by 10%, it is **57.4501, 0.3618, 0.3073**.

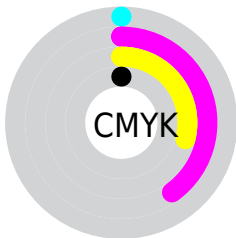
Distribution



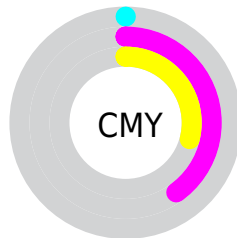
- Red (100%)
- Green (60%)
- Blue (71%)



- 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 47.3787, 0.3859, 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 47.3787, 0.3859, 0.2999 by changing the saturation by 10% instead.


 47.3787, 0.3859,
0.2999


 47.3787, 0.3859,
0.2999


376.3241, 0.3494,
0.3146

 33.3351, 0.3950,
0.2962


 86.2786, 0.3727,
0.3053

 22.3833, 0.4066,
0.2914


 111.9038, 0.3677,
0.3073

 14.1388, 0.4219,
0.2851

142.1582, 0.3635,
0.3090

 8.2173, 0.4431,
0.2763

177.4264, 0.3598,
0.3104

 4.2343, 0.4742,
0.2631

218.0927, 0.3567,
0.3117

 1.8055, 0.5236,
0.2419

264.5415, 0.3540,

 0.4906, 0.6508,

0.3128

0.1934

317.1572, 0.3515,
0.3137

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.3787, 0.3859,
0.2999

47.3787, 0.3859,
0.2999

39.1960, 0.4148,
0.2932

57.4501, 0.3618,
0.3073

32.7767, 0.4483,
0.2880

69.5116, 0.3419,
0.3149

27.9907, 0.4854,
0.2855

83.6654, 0.3258,
0.3222

24.6873, 0.5238,
0.2869

99.9965, 0.3127,
0.3290

■ 22.6868, 0.5598,
0.2928

■ 21.6988, 0.5898,
0.3023

■ 21.6978, 0.5899,
0.3023

Harmonies

Analogous

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



47.3787, 0.3294, 0.2643



47.3787, 0.3859, 0.2999



47.3787, 0.4220, 0.3434

Triad

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



47.3787, 0.3859, 0.2999



47.3787, 0.3452, 0.4338



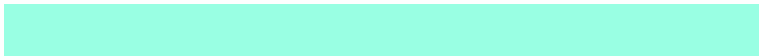
47.3787, 0.2111, 0.2580

Complementary

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



47.3787, 0.3859, 0.2999



83.8296, 0.2704, 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.



47.3787, 0.2144, 0.2988



47.3787, 0.3859, 0.2999



47.3787, 0.2888, 0.4093

Square

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



47.3787, 0.3859, 0.2999



47.3787, 0.3954, 0.4224



47.3787, 0.2415, 0.3559



47.3787, 0.2313, 0.2397

Rectangle

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



47.3787, 0.3859, 0.2999



47.3787, 0.4277, 0.3732



47.3787, 0.2415, 0.3559



47.3787, 0.2095, 0.2691

Sweetspot

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



47.3810, 0.3859, 0.2999



80.6579, 0.3288, 0.3207



46.1915, 0.2934, 0.2228



16.8544, 0.3308, 0.3198



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.



47.3810, 0.3859, 0.2999



40.6851, 0.4086, 0.2944



54.2605, 0.4050, 0.3525



18.0689, 0.3251, 0.3225



11.3608, 0.5857, 0.3000



1.1236, 0.5538, 0.2825

Inverse Universe

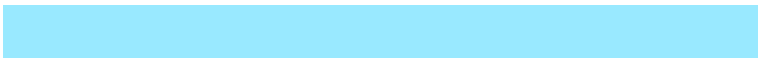
The Inverse Universe completely reimagines the original color for something new.



47.3810, 0.3859, 0.2999



40.6851, 0.4086, 0.2944



72.2086, 0.2535, 0.3036



18.0689, 0.3251, 0.3225



11.3608, 0.5857, 0.3000



1.1236, 0.5538, 0.2825

Previews

White Background



This preview shows how the Yxy color 47.3787, 0.3859, 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 47.3787, 0.3859, 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 47.3787, 0.3859, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 47.3787, 0.3859, 0.2999.

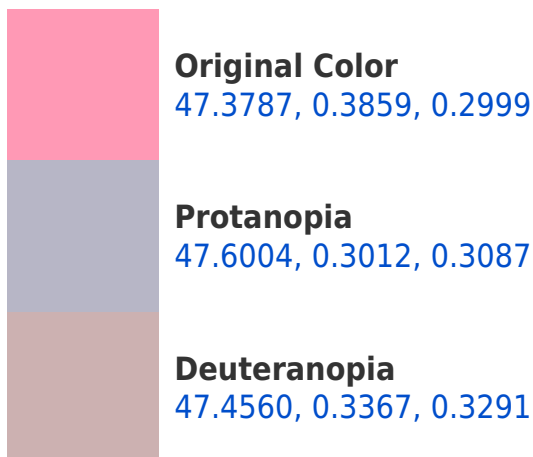


This preview shows how white text looks on a background with the Yxy color 47.3787, 0.3859, 0.2999.

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





Tritanopia

47.3035, 0.3987, 0.3166

Trichromacy



Original Color

47.3787, 0.3859, 0.2999



Protanomaly

46.4869, 0.3291, 0.3037



Deuteranomaly

46.9076, 0.3550, 0.3174



Tritanomaly

47.1606, 0.3939, 0.3102

Monochromacy



Original Color

47.3787, 0.3859, 0.2999



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.1598, 0.3373, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3787, 0.3859, 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, 153, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 181) }
```

Border

The CSS property to change the border of an element to Yxy 47.3787, 0.3859, 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, 153, 181) }
```

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

```
.border{ border-color:rgb(255, 153, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3787, 0.3859, 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, 153, 181) }
```

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

```
.background{ background-color: rgb(255,  
153, 181) }
```

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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