

Converting Colors

$Y_{xy}(47.3117, 0.3876, 0.3016)$

Have a look what the booklet for
Yxy(47.3117, 0.3876, 0.3016)
contains.

Yxy(47.2971, 0.3879, 0.3019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.2971, 0.3879, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	FF99B3
RGB	255, 153, 179
RGB Percent	100%, 60%, 70%
CMY	0.0000, 0.4000, 0.2979
CMYK	0.00, 0.40, 0.30, 0.00
HSL	345°, 100%, 80%
HSV	345°, 40%, 100%
XYZ	60.7703, 47.2971, 48.5974
YIQ	186.4620, 52.4460, 29.7100

Conversions

Conversions Part 2

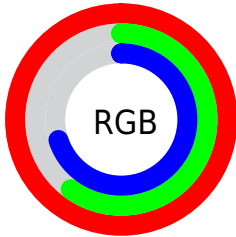
Format	Color
R _Y B	255, 153, 179
Decimal	16751027
CIE Lab	74.38, 41.18, 2.98
CIE LCh	74, 41.287, 4.143
Yxy	47.2971, 0.3879, 0.3019
Android (android.graphics.Color)	4294941107 (0xFFFF99B3)
YUV	186.4620, -3.6788, 60.1078
Hunter-Lab	68.7729, 37.3767, 6.2446

Details

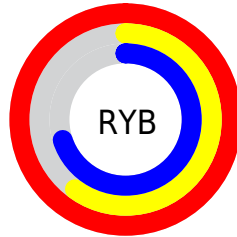
The Yxy color **47.2971, 0.3879, 0.3019** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.9447, 0.2694, 0.3588**, and the grayscale version is **49.3770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8591, 0.3288, 0.3031**, and **22.3565, 0.4098, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **39.1085, 0.4176, 0.2957**, and if you desaturate by 10%, it is **57.3795, 0.3631, 0.3088**.

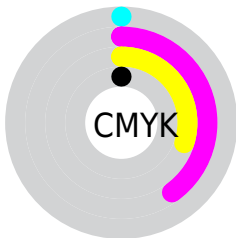
Distribution



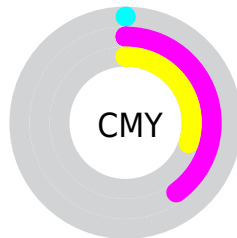
- Red (100%)
- Green (60%)
- Blue (70%)



- Red (100%)
- Yellow (60%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2971, 0.3879, 0.3019 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 47.2971, 0.3879, 0.3019 by changing the saturation by 10% instead.


 47.2971, 0.3879,
0.3019

 47.2971, 0.3879,
0.3019


375.9992, 0.3503,
0.3157

 33.2706, 0.3972,
0.2984


 86.1569, 0.3743,
0.3070

 22.3338, 0.4092,
0.2939


 111.7590, 0.3691,
0.3089

 14.1024, 0.4250,
0.2878


141.9885, 0.3648,
0.3104

 8.1919, 0.4469,
0.2793

177.2296, 0.3611,
0.3118

 4.2180, 0.4790,
0.2665

217.8668, 0.3579,
0.3130

 1.7962, 0.5301,
0.2456

264.2846, 0.3550,

 0.4848, 0.6701,

0.3140

0.1989

316.8672, 0.3525,
0.3149

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.2971, 0.3879,
0.3019

47.2971, 0.3879,
0.3019

39.1085, 0.4176,
0.2957

57.3795, 0.3631,
0.3088

32.6879, 0.4522,
0.2910

69.4573, 0.3427,
0.3158

27.9050, 0.4904,
0.2888

83.6331, 0.3261,
0.3226

24.6084, 0.5297,
0.2905

99.9992, 0.3127,
0.3290

■ 22.6180, 0.5661,
0.2964

■ 21.6423, 0.5959,
0.3056

■ 21.6421, 0.5959,
0.3056

Harmonies

Analogous

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



47.2971, 0.3322, 0.2659



47.2971, 0.3879, 0.3019



47.2971, 0.4225, 0.3454

Triad

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



47.2971, 0.3879, 0.3019



47.2971, 0.3425, 0.4331



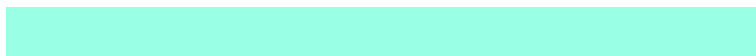
47.2971, 0.2118, 0.2569

Complementary

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



47.2971, 0.3879, 0.3019



83.9447, 0.2694, 0.3588

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.



47.2971, 0.2140, 0.2966



47.2971, 0.3879, 0.3019



47.2971, 0.2864, 0.4070

Square

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



47.2971, 0.3879, 0.3019



47.2971, 0.3932, 0.4233



47.2971, 0.2400, 0.3531



47.2971, 0.2331, 0.2397

Rectangle

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



47.2971, 0.3879, 0.3019



47.2971, 0.4271, 0.3751



47.2971, 0.2400, 0.3531



47.2971, 0.2099, 0.2677

Sweetspot

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



47.2994, 0.3879, 0.3019



80.6249, 0.3292, 0.3213



46.4644, 0.2948, 0.2232



16.8466, 0.3312, 0.3204



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.



47.2994, 0.3879, 0.3019



40.6007, 0.4113, 0.2968



54.9253, 0.4042, 0.3543



18.0632, 0.3254, 0.3230



11.3291, 0.5919, 0.3034



1.1199, 0.5603, 0.2860

Inverse Universe

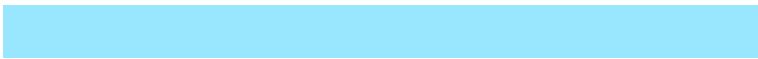
The Inverse Universe completely reimagines the original color for something new.



47.2994, 0.3879, 0.3019



40.6007, 0.4113, 0.2968



71.2550, 0.2532, 0.3016



18.0632, 0.3254, 0.3230



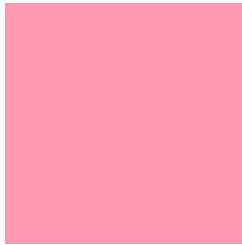
11.3291, 0.5919, 0.3034



1.1199, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 47.2971, 0.3879, 0.3019 looks on a white background.

Color Contrast Check

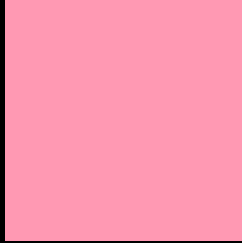
Large Text (above 18pt) WCAG AA × Fail

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 47.2971, 0.3879, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

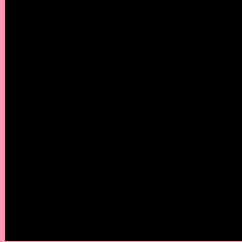
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2971, 0.3879, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 47.2971, 0.3879, 0.3019.

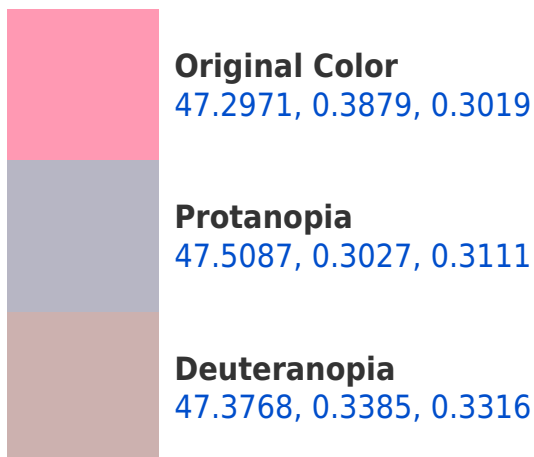


This preview shows how white text looks on a background with the Yxy color 47.2971, 0.3879, 0.3019.

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

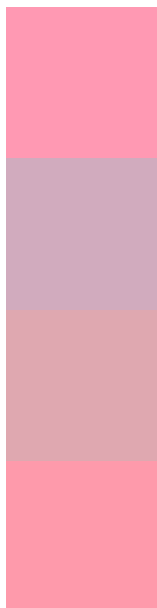




Tritanopia

47.3035, 0.3987, 0.3166

Trichromacy



Original Color

47.2971, 0.3879, 0.3019

Protanomaly

46.3988, 0.3309, 0.3061

Deuteranomaly

46.8278, 0.3569, 0.3197

Tritanomaly

47.1223, 0.3949, 0.3113

Monochromacy



Original Color

47.2971, 0.3879, 0.3019

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 47.2971, 0.3879, 0.3019 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.2971, 0.3879, 0.3019 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, 179) }
```

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

```
.border{ border-color:rgb(255, 153, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2971, 0.3879, 0.3019 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
153, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor