

# Converting Colors

$Y_{xy}(83.0820, 0.4830, 0.3129)$

Have a look what the booklet for  
Yxy(83.0820, 0.4830, 0.3129)  
contains.

<b>Yxy(48.7928, 0.3827, 0.3019)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.7928, 0.3827, 0.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9DB7
RGB	255, 157, 183
RGB Percent	100%, 62%, 72%
CMY	0.0000, 0.3843, 0.2822
CMYK	0.00, 0.38, 0.28, 0.00
HSL	344°, 100%, 81%
HSV	344°, 38%, 100%
XYZ	61.8516, 48.7928, 50.9747
YIQ	189.2660, 50.0620, 28.8620

# Conversions

## Conversions Part 2

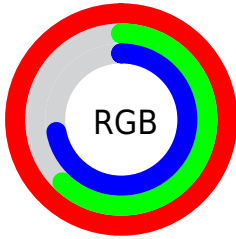
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 157, 183
Decimal	16752055
CIE <sub>Lab</sub>	75.32, 39.66, 2.16
CIE <sub>LCh</sub>	75, 39.714, 3.112
Yxy	48.7928, 0.3827, 0.3019
Android (android.graphics.Color)	4294942135 (0xFFFF9DB7)
YUV	189.2660, -3.0891, 57.6487
Hunter-Lab	69.8518, 35.8154, 5.6292

# Details

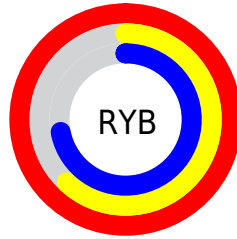
The Yxy color **48.7928, 0.3827, 0.3019** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.3423, 0.2713, 0.3587**, and the grayscale version is **51.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0805, 0.3256, 0.3032**, and **23.2481, 0.4022, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **40.3167, 0.4112, 0.2952**, and if you desaturate by 10%, it is **59.1709, 0.3589, 0.3092**.

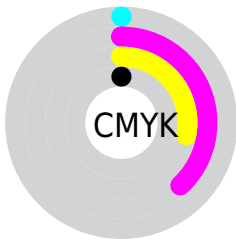
# Distribution



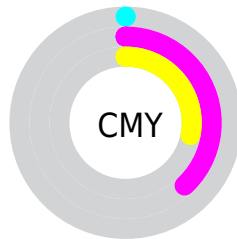
- Red (100%)
- Green (62%)
- Blue (72%)



- Red (100%)
- Yellow (62%)
- Blue (72%)



- Cyan (0%)
- Magenta (38%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7928, 0.3827, 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 48.7928, 0.3827, 0.3019 by changing the saturation by 10% instead.





 48.7928, 0.3827,  
0.3019


 48.7928, 0.3827,  
0.3019

381.9260, 0.3479,  
0.3155

 34.4551, 0.3913,  
0.2985


 88.3836, 0.3701,  
0.3069

 23.2435, 0.4022,  
0.2941


 114.4056, 0.3654,  
0.3087

 14.7734, 0.4167,  
0.2882


145.0911, 0.3614,  
0.3103

 8.6605, 0.4366,  
0.2801

180.8246, 0.3579,  
0.3117

 4.5204, 0.4657,  
0.2681

221.9905, 0.3549,  
0.3128

 1.9687, 0.5117,  
0.2487

268.9731, 0.3523,

 0.5892, 0.6159,

0.3138

0.2096

322.1568, 0.3500,  
0.3147

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.7928, 0.3827,  
0.3019

48.7928, 0.3827,  
0.3019

40.3167, 0.4112,  
0.2952

59.1709, 0.3589,  
0.3092

33.6289, 0.4445,  
0.2900

71.5611, 0.3395,  
0.3164

28.5983, 0.4817,  
0.2872

86.0615, 0.3237,  
0.3234

25.0772, 0.5205,  
0.2880

100.0000, 0.3127,  
0.3290

■ 22.8912, 0.5573,  
0.2932

■ 21.7975, 0.5883,  
0.3024

■ 21.6743, 0.5926,  
0.3038

# Harmonies

## Analogous

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



48.7928, 0.3294, 0.2676



48.7928, 0.3827, 0.3019



48.7928, 0.4166, 0.3436

# Triad

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



48.7928, 0.3827, 0.3019



48.7928, 0.3432, 0.4281



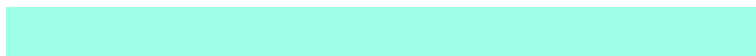
48.7928, 0.2159, 0.2613

# Complementary

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



48.7928, 0.3827, 0.3019



84.3423, 0.2713, 0.3587

# 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.



48.7928, 0.2188, 0.3000



48.7928, 0.3827, 0.3019



48.7928, 0.2896, 0.4043

# Square

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



48.7928, 0.3827, 0.3019



48.7928, 0.3910, 0.4183



48.7928, 0.2446, 0.3539



48.7928, 0.2355, 0.2438



# Rectangle

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



48.7928, 0.3827, 0.3019



48.7928, 0.4219, 0.3721



48.7928, 0.2446, 0.3539



48.7928, 0.2143, 0.2719

# Sweetspot

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



48.7917, 0.3827, 0.3019



80.6429, 0.3290, 0.3210



47.9673, 0.2957, 0.2274



16.8509, 0.3310, 0.3201



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.



48.7917, 0.3827, 0.3019



42.2105, 0.4038, 0.2968



56.2805, 0.3994, 0.3533



18.0663, 0.3252, 0.3227



11.3462, 0.5885, 0.3016



1.1219, 0.5568, 0.2841



# Inverse Universe

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



48.7917, 0.3827, 0.3019



42.2105, 0.4038, 0.2968



72.1747, 0.2553, 0.3028



18.0663, 0.3252, 0.3227



11.3462, 0.5885, 0.3016



1.1219, 0.5568, 0.2841



# Previews

## White Background



This preview shows how the Yxy color 48.7928, 0.3827, 0.3019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

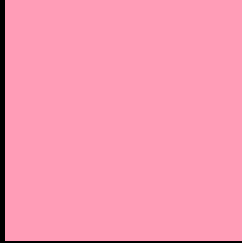
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7928, 0.3827, 0.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

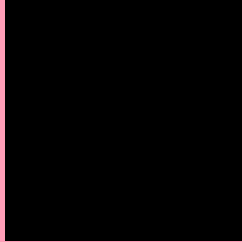
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7928, 0.3827, 0.3019**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7928, 0.3827, 0.3019.

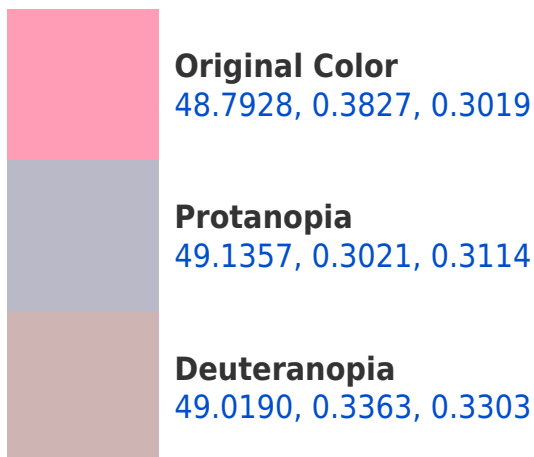


This preview shows how white text looks on a background with the Yxy color 48.7928, 0.3827, 0.3019.

# 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

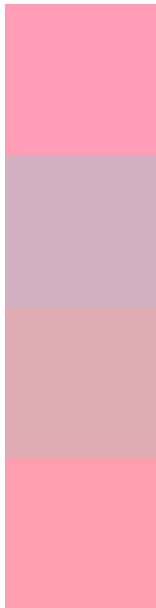




## Tritanopia

48.8074, 0.3932, 0.3166

# Trichromacy



## Original Color

48.7928, 0.3827, 0.3019

## Protanomaly

48.2118, 0.3287, 0.3075

## Deuteranomaly

48.6476, 0.3532, 0.3198

## Tritanomaly

48.6197, 0.3895, 0.3113

# Monochromacy



## Original Color

48.7928, 0.3827, 0.3019

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.1783, 0.3362, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7928, 0.3827, 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, 157, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 183)  
}
```

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, 157, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7928, 0.3827, 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, 157, 183) }
```

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

```
.border{ border-color:rgb(255, 157, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 157, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7928, 0.3827, 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, 157, 183) }
```

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

```
.background{ background-color: rgb(255,  
157, 183) }
```

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