

# Converting Colors

$Y_{xy}(48.5977, 0.3699, 0.2856)$

Have a look what the booklet for  
Yxy(48.5977, 0.3699, 0.2856)  
contains.

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# Color

**Yxy(48.7339, 0.3693, 0.2855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9BC5
RGB	255, 155, 197
RGB Percent	100%, 61%, 77%
CMY	0.0001, 0.3921, 0.2273
CMYK	0.00, 0.39, 0.23, 0.00
HSL	335°, 100%, 80%
HSV	335°, 39%, 100%
XYZ	63.0383, 48.7339, 58.9245
YIQ	189.6880, 46.1180, 34.2620

# Conversions

## Conversions Part 2

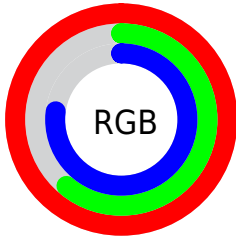
Format	Color
R <sub>Y</sub> B	255, 155, 197
Decimal	16751557
CIE Lab	75.29, 42.57, -5.59
CIE LCh	75, 42.933, 352.513
Yxy	48.7339, 0.3693, 0.2855
Android (android.graphics.Color)	4294941637 (0xFFFF9BC5)
YUV	189.6880, 3.6048, 57.2786
Hunter-Lab	69.8097, 39.0190, -1.1783

# Details

The Yxy color **48.7339, 0.3693, 0.2855** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.2837, 0.2781, 0.3780**, and the grayscale version is **51.2652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0043, 0.3154, 0.2870**, and **23.2217, 0.3845, 0.2750** is the 20% darker color. If you saturate the color by 10%, you get **40.4808, 0.3913, 0.2749**, and if you desaturate by 10%, it is **58.8499, 0.3507, 0.2969**.

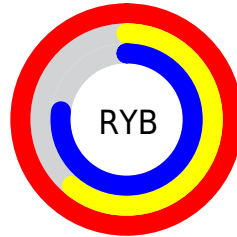
# Distribution



Red (100%)

Green (61%)

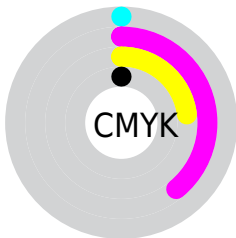
Blue (77%)



Red (100%)

Yellow (61%)

Blue (77%)

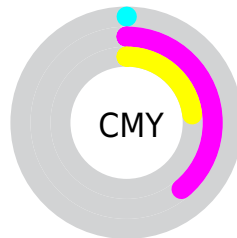


Cyan (0%)

Magenta (39%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7339, 0.3693, 0.2855 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 48.7339, 0.3693, 0.2855 by changing the saturation by 10% instead.





 48.7339, 0.3693,  
0.2855


 48.7339, 0.3693,  
0.2855


381.6938, 0.3416,  
0.3065

 34.4084, 0.3761,  
0.2805


 88.2961, 0.3593,  
0.2930

 23.2076, 0.3846,  
0.2742


 114.3016, 0.3556,  
0.2958

 14.7468, 0.3958,  
0.2660


144.9693, 0.3524,  
0.2982

 8.6419, 0.4111,  
0.2550

180.6836, 0.3496,  
0.3003

 4.5084, 0.4332,  
0.2395

221.8287, 0.3472,  
0.3022

 1.9618, 0.4677,  
0.2161

268.7892, 0.3451,

 0.5851, 0.5329,

0.3038

0.1692

321.9495, 0.3432,  
0.3052

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.7339, 0.3693,  
0.2855

■ 48.7339, 0.3693,  
0.2855

■ 40.4808, 0.3913,  
0.2749

■ 58.8499, 0.3507,  
0.2969

■ 33.9680, 0.4166,  
0.2660

■ 70.9275, 0.3352,  
0.3083

■ 29.0691, 0.4448,  
0.2601

■ 85.0666, 0.3224,  
0.3194

■ 25.6373, 0.4747,  
0.2584

99.9975, 0.3127,  
0.3290

■ 23.4984, 0.5044,  
0.2621

■ 22.3913, 0.5321,  
0.2709

■ 22.3226, 0.5342,  
0.2717

# Harmonies

## Analogous

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



48.7339, 0.3090, 0.2535



48.7339, 0.3693, 0.2855



48.7339, 0.4157, 0.3279

# Triad

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



48.7339, 0.3693, 0.2855



48.7339, 0.3649, 0.4363



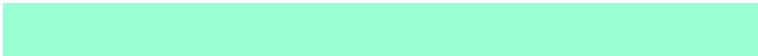
48.7339, 0.2072, 0.2679

# Complementary

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



48.7339, 0.3693, 0.2855



83.2837, 0.2781, 0.3780

# 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.



48.7339, 0.2188, 0.3167



48.7339, 0.3693, 0.2855



48.7339, 0.3075, 0.4245

# Square

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



48.7339, 0.3693, 0.2855



48.7339, 0.4107, 0.4142



48.7339, 0.2543, 0.3772



48.7339, 0.2198, 0.2414



# Rectangle

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



48.7339, 0.3693, 0.2855



48.7339, 0.4297, 0.3585



48.7339, 0.2543, 0.3772



48.7339, 0.2083, 0.2819

# Sweetspot

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



48.7362, 0.3693, 0.2855



80.9163, 0.3258, 0.3163



44.6124, 0.2818, 0.2212



16.9149, 0.3274, 0.3149



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.



48.7362, 0.3693, 0.2855



42.1547, 0.3861, 0.2771



49.3509, 0.4090, 0.3363



18.1137, 0.3228, 0.3190



11.6936, 0.5301, 0.2694



1.1598, 0.5007, 0.2532



# Inverse Universe

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



48.7362, 0.3693, 0.2855



42.1547, 0.3861, 0.2771



81.5216, 0.2572, 0.3214



18.1137, 0.3228, 0.3190



11.6936, 0.5301, 0.2694

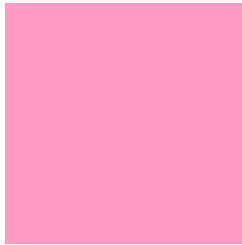


1.1598, 0.5007, 0.2532



# Previews

## White Background



This preview shows how the Yxy color 48.7339, 0.3693, 0.2855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

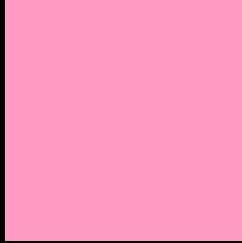
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7339, 0.3693, 0.2855 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 48.7339, 0.3693, 0.2855**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7339, 0.3693, 0.2855.

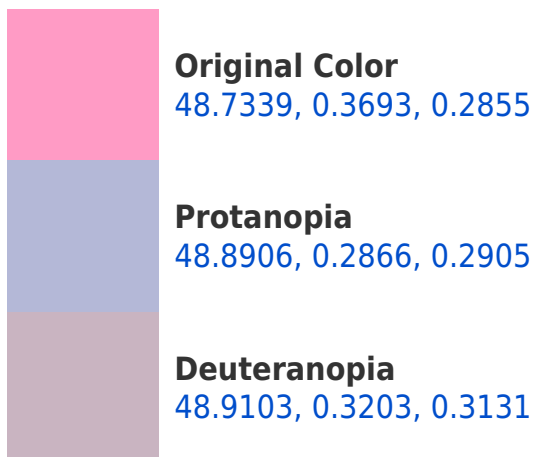


This preview shows how white text looks on a background with the Yxy color 48.7339, 0.3693, 0.2855.

# 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

48.8156, 0.3900, 0.3165

# Trichromacy



## Original Color

48.7339, 0.3693, 0.2855



## Protanomaly

47.7066, 0.3138, 0.2876



## Deuteranomaly

48.3930, 0.3382, 0.3024



## Tritanomaly

48.6726, 0.3826, 0.3049

# Monochromacy



## Original Color

48.7339, 0.3693, 0.2855



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

49.5907, 0.3320, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7339, 0.3693, 0.2855 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, 155, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 197)  
}
```

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, 155, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7339, 0.3693, 0.2855 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, 155, 197) }
```

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

```
.border{ border-color:rgb(255, 155, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7339, 0.3693, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 197) }
```

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

```
.background{ background-color: rgb(255,  
155, 197) }
```

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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