

# Converting Colors

$Y_{xy}(59.8985, 0.4455, 0.2991)$

Have a look what the booklet for  
Yxy(59.8985, 0.4455, 0.2991)  
contains.

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# Color

**Yxy(44.5839, 0.3875, 0.2896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF90B6
RGB	255, 144, 182
RGB Percent	100%, 56%, 71%
CMY	0.0000, 0.4353, 0.2863
CMYK	0.00, 0.44, 0.29, 0.00
HSL	339°, 100%, 78%
HSV	339°, 44%, 100%
XYZ	59.6556, 44.5839, 49.7104
YIQ	181.5210, 53.9580, 35.3500

# Conversions

## Conversions Part 2

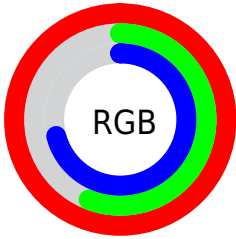
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 144, 182
Decimal	16748726
CIE <sub>Lab</sub>	72.62, 46.13, -1.21
CIE <sub>LCh</sub>	73, 46.142, 358.493
Yxy	44.5839, 0.3875, 0.2896
Android (android.graphics.Color)	4294938806 (0xFFFF90B6)
YUV	181.5210, 0.2361, 64.4411
Hunter-Lab	66.7712, 42.6283, 2.5990

# Details

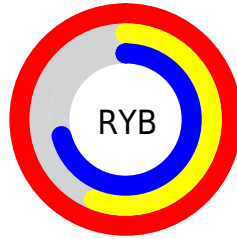
The Yxy color **44.5839, 0.3875, 0.2896** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4609, 0.2709, 0.3737**, and the grayscale version is **46.4833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7416, 0.3274, 0.2911**, and **20.8029, 0.4092, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **37.0614, 0.4147, 0.2816**, and if you desaturate by 10%, it is **53.9381, 0.3644, 0.2987**.

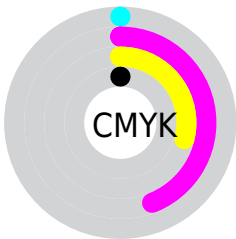
# Distribution



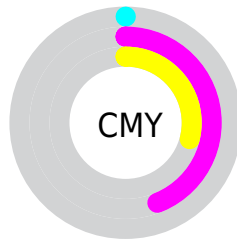
- Red (100%)
- Green (56%)
- Blue (71%)



- Red (100%)
- Yellow (56%)
- Blue (71%)



- Cyan (0%)
- Magenta (44%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5839, 0.3875, 0.2896 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 44.5839, 0.3875, 0.2896 by changing the saturation by 10% instead.



 44.5839, 0.3875,  
0.2896


 44.5839, 0.3875,  
0.2896


365.0857, 0.3500,  
0.3093

 31.1298, 0.3969,  
0.2847


 82.0957, 0.3739,  
0.2967

 20.6977, 0.4089,  
0.2785


 106.9221, 0.3688,  
0.2994

 12.9032, 0.4248,  
0.2702


136.3081, 0.3644,  
0.3017

 7.3619, 0.4469,  
0.2589

170.6381, 0.3607,  
0.3036

 3.6895, 0.4795,  
0.2422

210.2965, 0.3575,  
0.3053

 1.5014, 0.5317,  
0.2157

255.6676, 0.3547,

 0.2897, 0.6898,

0.3068

0.1302

307.1359, 0.3522,  
0.3081

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.5839, 0.3875,  
0.2896

44.5839, 0.3875,  
0.2896

37.0614, 0.4147,  
0.2816

53.9381, 0.3644,  
0.2987

31.2423, 0.4459,  
0.2756

65.2281, 0.3452,  
0.3081

26.9919, 0.4798,  
0.2731

78.5578, 0.3295,  
0.3173

24.1518, 0.5144,  
0.2752

94.0217, 0.3167,  
0.3261

■ 22.5299, 0.5469,  
0.2823

100.0000, 0.3127,  
0.3290

■ 21.9523, 0.5656,  
0.2890

# Harmonies

## Analogous

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



44.5839, 0.3216, 0.2522



44.5839, 0.3875, 0.2896



44.5839, 0.4333, 0.3368

# Triad

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



44.5839, 0.3875, 0.2896



44.5839, 0.3572, 0.4490



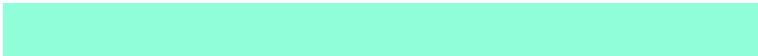
44.5839, 0.1980, 0.2534

# Complementary

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



44.5839, 0.3875, 0.2896



82.4609, 0.2709, 0.3737

# 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.



44.5839, 0.2051, 0.3022



44.5839, 0.3875, 0.2896



44.5839, 0.2936, 0.4280

# Square

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



44.5839, 0.3875, 0.2896



44.5839, 0.4118, 0.4292



44.5839, 0.2385, 0.3691



44.5839, 0.2167, 0.2302



# Rectangle

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



44.5839, 0.3875, 0.2896



44.5839, 0.4432, 0.3701



44.5839, 0.2385, 0.3691



44.5839, 0.1975, 0.2669

# Sweetspot

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



44.5861, 0.3875, 0.2896



79.3172, 0.3288, 0.3178



41.7914, 0.2850, 0.2112



16.3035, 0.3319, 0.3158



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.



44.5861, 0.3875, 0.2896



38.0962, 0.4103, 0.2827



48.6441, 0.4203, 0.3468



18.0897, 0.3240, 0.3209



11.4956, 0.5613, 0.2866



1.1388, 0.5297, 0.2691



# Inverse Universe

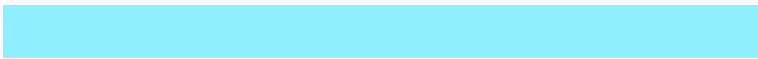
The Inverse Universe completely reimagines the original color for something new.



44.5861, 0.3875, 0.2896



38.0962, 0.4103, 0.2827



74.5039, 0.2504, 0.3097



18.0897, 0.3240, 0.3209



11.4956, 0.5613, 0.2866



1.1388, 0.5297, 0.2691



# Previews

## White Background



This preview shows how the Yxy color 44.5839, 0.3875, 0.2896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

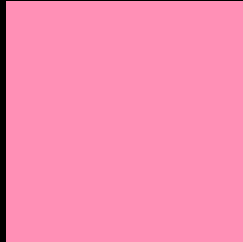
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5839, 0.3875, 0.2896 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 44.5839, 0.3875, 0.2896**

## Background



This preview shows how black text looks on a background with the Yxy color 44.5839, 0.3875, 0.2896.

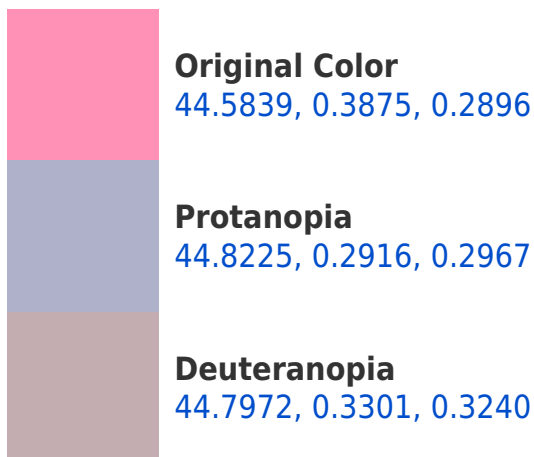


This preview shows how white text looks on a background with the Yxy color 44.5839, 0.3875, 0.2896.

# 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

44.5657, 0.4088, 0.3176

# Trichromacy



## Original Color

44.5839, 0.3875, 0.2896



## Protanomaly

43.6878, 0.3226, 0.2924



## Deuteranomaly

43.8470, 0.3498, 0.3088



## Tritanomaly

44.7283, 0.4016, 0.3082

# Monochromacy



## Original Color

44.5839, 0.3875, 0.2896



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

44.9380, 0.3384, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5839, 0.3875, 0.2896 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, 144, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 182)  
}
```

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, 144, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5839, 0.3875, 0.2896 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, 144, 182) }
```

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

```
.border{ border-color:rgb(255, 144, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5839, 0.3875, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 182) }
```

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

```
.background{ background-color: rgb(255,  
144, 182) }
```

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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