

# Converting Colors

$Y_{xy}(44.3238, 0.3867, 0.2875)$

Have a look what the booklet for  
Yxy(44.3238, 0.3867, 0.2875)  
contains.

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# Color

**Yxy(44.3238, 0.3867, 0.2875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FB7
RGB	255, 143, 183
RGB Percent	100%, 56%, 72%
CMY	0.0000, 0.4393, 0.2822
CMYK	0.00, 0.44, 0.28, 0.00
HSL	339°, 100%, 78%
HSV	339°, 44%, 100%
XYZ	59.6174, 44.3238, 50.2285
YIQ	181.0480, 53.9120, 36.1840

# Conversions

## Conversions Part 2

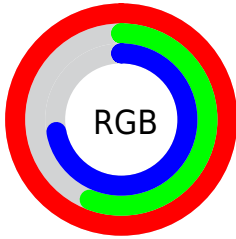
Format	Color
R <sub>Y</sub> B	255, 143, 183
Decimal	16748471
CIE Lab	72.44, 46.78, -2.04
CIE LCh	72, 46.823, 357.497
Yxy	44.3238, 0.3867, 0.2875
Android (android.graphics.Color)	4294938551 (0xFFFF8FB7)
YUV	181.0480, 0.9623, 64.8559
Hunter-Lab	66.5761, 43.3346, 1.8718

# Details

The Yxy color **44.3238, 0.3867, 0.2875** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.2631, 0.2715, 0.3763**, and the grayscale version is **46.2063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3388, 0.3268, 0.2891**, and **20.4922, 0.4085, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **36.8741, 0.4133, 0.2791**, and if you desaturate by 10%, it is **53.5895, 0.3640, 0.2970**.

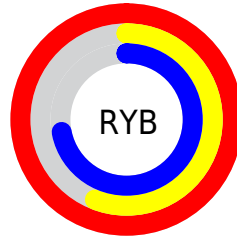
# Distribution



Red (100%)

Green (56%)

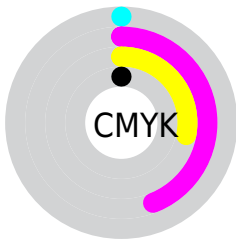
Blue (72%)



Red (100%)

Yellow (56%)

Blue (72%)

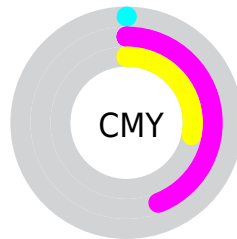


Cyan (0%)

Magenta (44%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3238, 0.3867, 0.2875 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 44.3238, 0.3867, 0.2875 by changing the saturation by 10% instead.





 44.3238, 0.3867,  
0.2875

 44.3238, 0.3867,  
0.2875


364.0280, 0.3496,  
0.3081

 30.9251, 0.3959,  
0.2824


 81.7048, 0.3732,  
0.2950

 20.5419, 0.4078,  
0.2759


 106.4559, 0.3682,  
0.2978

 12.7895, 0.4235,  
0.2673


135.7599, 0.3639,  
0.3002

 7.2838, 0.4454,  
0.2555

170.0013, 0.3602,  
0.3022

 3.6402, 0.4775,  
0.2383

209.5644, 0.3570,  
0.3040

 1.4744, 0.5291,  
0.2111

254.8336, 0.3543,

 0.2706, 0.6838,

0.3055

0.1208

306.1933, 0.3518,  
0.3069

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.3238, 0.3867,  
0.2875

44.3238, 0.3867,  
0.2875

36.8741, 0.4133,  
0.2791

53.5895, 0.3640,  
0.2970

31.1230, 0.4437,  
0.2730

64.7868, 0.3452,  
0.3068

26.9317, 0.4768,  
0.2703

78.0160, 0.3297,  
0.3164

24.1411, 0.5106,  
0.2723

93.3717, 0.3170,  
0.3256

■ 22.5573, 0.5423,  
0.2795

100.0000, 0.3127,  
0.3290

■ 22.0180, 0.5597,  
0.2857

# Harmonies

## Analogous

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



44.3238, 0.3194, 0.2501



44.3238, 0.3867, 0.2875



44.3238, 0.4343, 0.3351

# Triad

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



44.3238, 0.3867, 0.2875



44.3238, 0.3598, 0.4510



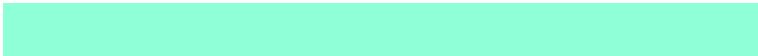
44.3238, 0.1962, 0.2533

# Complementary

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



44.3238, 0.3867, 0.2875



82.2631, 0.2715, 0.3763

# 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.



44.3238, 0.2042, 0.3037



44.3238, 0.3867, 0.2875



44.3238, 0.2953, 0.4313

# Square

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



44.3238, 0.3867, 0.2875



44.3238, 0.4148, 0.4294



44.3238, 0.2388, 0.3721



44.3238, 0.2143, 0.2291



# Rectangle

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



44.3238, 0.3867, 0.2875



44.3238, 0.4453, 0.3688



44.3238, 0.2388, 0.3721



44.3238, 0.1959, 0.2673

# Sweetspot

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



44.3222, 0.3867, 0.2875



79.3462, 0.3284, 0.3173



41.1476, 0.2831, 0.2096



16.3106, 0.3315, 0.3152



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.



44.3222, 0.3867, 0.2875



37.4900, 0.4107, 0.2798



47.6710, 0.4227, 0.3450



18.0944, 0.3238, 0.3205



11.5306, 0.5554, 0.2833



1.1426, 0.5240, 0.2661



# Inverse Universe

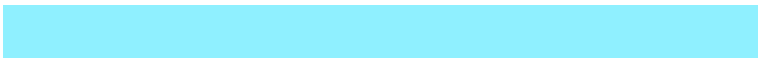
The Inverse Universe completely reimagines the original color for something new.



44.3222, 0.3867, 0.2875



37.4900, 0.4107, 0.2798



75.4175, 0.2503, 0.3117



18.0944, 0.3238, 0.3205



11.5306, 0.5554, 0.2833

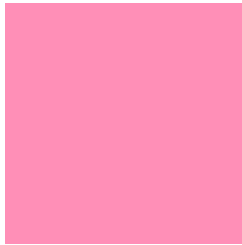


1.1426, 0.5240, 0.2661



# Previews

## White Background



This preview shows how the Yxy color 44.3238, 0.3867, 0.2875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

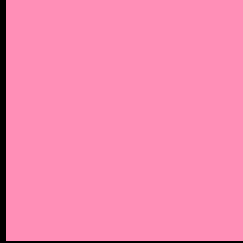
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3238, 0.3867, 0.2875 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 44.3238, 0.3867, 0.2875**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3238, 0.3867, 0.2875.



This preview shows how white text looks on a background with the Yxy color 44.3238, 0.3867, 0.2875.

# 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



### Original Color

44.3238, 0.3867, 0.2875

### Protanopia

44.8026, 0.2893, 0.2941

### Deuteranopia

44.3215, 0.3284, 0.3214



## Tritanopia

44.2187, 0.4103, 0.3177

# Trichromacy



## Original Color

44.3238, 0.3867, 0.2875



## Protanomaly

43.5923, 0.3209, 0.2911



## Deuteranomaly

43.5367, 0.3490, 0.3064



## Tritanomaly

44.4186, 0.4019, 0.3072

# Monochromacy



## Original Color

44.3238, 0.3867, 0.2875



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.4247, 0.3376, 0.3107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3238, 0.3867, 0.2875 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, 143, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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, 143, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3238, 0.3867, 0.2875 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, 143, 183) }
```

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

```
.border{ border-color:rgb(255, 143, 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, 143, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3238, 0.3867, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 183) }
```

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

```
.background{ background-color: rgb(255,  
143, 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](#).

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