

# Converting Colors

$Yxy(43.8023, 0.3841, 0.2882)$

Have a look what the booklet for  
Yxy(43.8023, 0.3841, 0.2882)  
contains.

<b>Yxy(43.7178, 0.3849, 0.2881)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.7178, 0.3849, 0.2881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC8FB6
RGB	252, 143, 182
RGB Percent	99%, 56%, 71%
CMY	0.0118, 0.4391, 0.2862
CMYK	0.00, 0.43, 0.28, 0.01
HSL	339°, 95%, 77%
HSV	339°, 43%, 99%
XYZ	58.4067, 43.7178, 49.6207
YIQ	180.0370, 52.4450, 35.2370

# Conversions

## Conversions Part 2

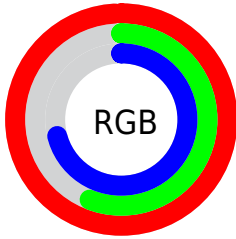
Format	Color
R <sub>Y</sub> B	252, 143, 182
Decimal	16551862
CIE Lab	72.04, 45.61, -2.12
CIE LCh	72, 45.656, 357.342
Yxy	43.7178, 0.3849, 0.2881
Android (android.graphics.Color)	4294741942 (0xFFFC8FB6)
YUV	180.0370, 0.9678, 63.1116
Hunter-Lab	66.1194, 41.9693, 1.7882

# Details

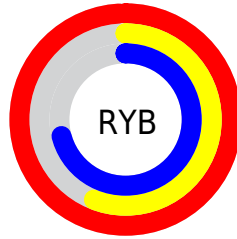
The Yxy color **43.7178, 0.3849, 0.2881** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.2544, 0.2720, 0.3754**, and the grayscale version is **45.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2799, 0.3275, 0.2901**, and **20.2348, 0.4059, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **36.3532, 0.4112, 0.2796**, and if you desaturate by 10%, it is **52.8629, 0.3626, 0.2976**.

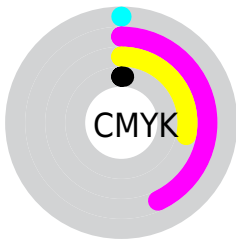
# Distribution



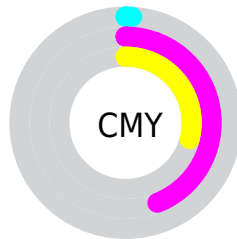
- Red (99%)
- Green (56%)
- Blue (71%)



- Red (99%)
- Yellow (56%)
- Blue (71%)



- Cyan (0%)
- Magenta (43%)
- Yellow (28%)
- Black (1%)



- Cyan (1%)
- Magenta (44%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7178, 0.3849, 0.2881 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 43.7178, 0.3849, 0.2881 by changing the saturation by 10% instead.





 43.7178, 0.3849,  
0.2881

 43.7178, 0.3849,  
0.2881


361.5555, 0.3486,  
0.3085

 30.4487, 0.3940,  
0.2831


 80.7929, 0.3717,  
0.2955

 20.1794, 0.4056,  
0.2766


 105.3678, 0.3668,  
0.2983

 12.5255, 0.4211,  
0.2681


134.4800, 0.3626,  
0.3006

 7.1027, 0.4427,  
0.2563

168.5140, 0.3590,  
0.3026

 3.5264, 0.4745,  
0.2391

207.8541, 0.3559,  
0.3044

 1.4123, 0.5260,  
0.2118

252.8848, 0.3532,

 0.2258, 0.6973,

0.3059

0.1103

303.9905, 0.3508,  
0.3073

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

43.7178, 0.3849,  
0.2881

43.7178, 0.3849,  
0.2881

36.3532, 0.4112,  
0.2796

52.8629, 0.3626,  
0.2976

30.6450, 0.4413,  
0.2732

63.8892, 0.3440,  
0.3074

26.4632, 0.4742,  
0.2703

76.8970, 0.3287,  
0.3171

23.6551, 0.5080,  
0.2719

91.9781, 0.3162,  
0.3262

■ 22.0355, 0.5399,  
0.2787

99.4321, 0.3109,  
0.3290

■ 21.4332, 0.5594,  
0.2856

# Harmonies

## Analogous

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



43.7178, 0.3190, 0.2513



43.7178, 0.3849, 0.2881



43.7178, 0.4317, 0.3349

# Triad

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



43.7178, 0.3849, 0.2881



43.7178, 0.3594, 0.4484



43.7178, 0.1982, 0.2551

# Complementary

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



43.7178, 0.3849, 0.2881



80.2544, 0.2720, 0.3754

# 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.



43.7178, 0.2063, 0.3046



43.7178, 0.3849, 0.2881



43.7178, 0.2961, 0.4292

# Square

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



43.7178, 0.3849, 0.2881



43.7178, 0.4132, 0.4275



43.7178, 0.2405, 0.3716



43.7178, 0.2159, 0.2310



# Rectangle

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



43.7178, 0.3849, 0.2881



43.7178, 0.4426, 0.3681



43.7178, 0.2405, 0.3716



43.7178, 0.1980, 0.2689

# Sweetspot

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



43.7199, 0.3849, 0.2881



79.3469, 0.3284, 0.3173



40.6784, 0.2837, 0.2115



16.3108, 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.



43.7199, 0.3849, 0.2881



38.1741, 0.4078, 0.2806



46.9748, 0.4201, 0.3447



17.3278, 0.3237, 0.3205



11.1921, 0.5550, 0.2831



1.0560, 0.5221, 0.2650



# Inverse Universe

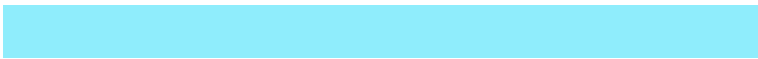
The Inverse Universe completely reimagines the original color for something new.



43.7199, 0.3849, 0.2881



38.1741, 0.4078, 0.2806



73.6997, 0.2511, 0.3120



17.3278, 0.3237, 0.3205



11.1921, 0.5550, 0.2831



1.0560, 0.5221, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 43.7178, 0.3849, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

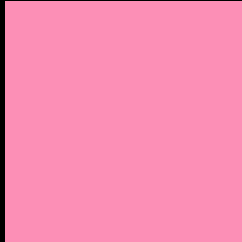
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7178, 0.3849, 0.2881 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 43.7178, 0.3849, 0.2881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.7178, 0.3849, 0.2881.

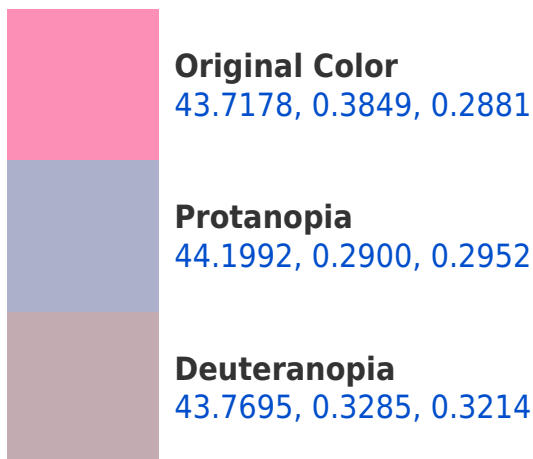


This preview shows how white text looks on a background with the Yxy color 43.7178, 0.3849, 0.2881.

# 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

43.6601, 0.4075, 0.3175

# Trichromacy



## Original Color

43.7178, 0.3849, 0.2881



## Protanomaly

43.0476, 0.3209, 0.2909



## Deuteranomaly

43.1915, 0.3481, 0.3074



## Tritanomaly

43.8570, 0.3991, 0.3069

# Monochromacy



## Original Color

43.7178, 0.3849, 0.2881



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

44.0954, 0.3367, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7178, 0.3849, 0.2881 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(252, 143, 182)` looks like.

```
.text, #text, p{  
    color:rgb(252, 143, 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(252, 143, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 143, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7178, 0.3849, 0.2881 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(252, 143, 182) }
```

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

```
.border{ border-color:rgb(252, 143, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 143, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 143, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 143, 182);  
box-shadow:4px 4px 4px 4px rgb(252, 143,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7178, 0.3849, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 143, 182) }
```

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

```
.background{ background-color: rgb(252,  
143, 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](#).

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