

# Converting Colors

$Y_{xy}(47.8234, 0.3884, 0.2787)$

Have a look what the booklet for  
Yxy(47.8234, 0.3884, 0.2787)  
contains.

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# Color

**Yxy(44.8451, 0.3741, 0.2754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FC3
RGB	255, 143, 195
RGB Percent	100%, 56%, 76%
CMY	0.0000, 0.4392, 0.2353
CMYK	0.00, 0.44, 0.24, 0.00
HSL	332°, 100%, 78%
HSV	332°, 44%, 100%
XYZ	60.9170, 44.8451, 57.0741
YIQ	182.4160, 50.0600, 39.9160

# Conversions

## Conversions Part 2

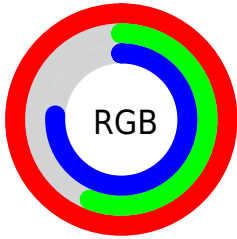
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 143, 195
Decimal	16748483
CIE Lab	72.79, 48.38, -8.17
CIE LCh	73, 49.063, 350.411
Yxy	44.8451, 0.3741, 0.2754
Android (android.graphics.Color)	4294938563 (0xFFFF8FC3)
YUV	182.4160, 6.2039, 63.6562
Hunter-Lab	66.9665, 45.1838, -3.6551

# Details

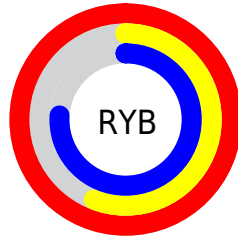
The Yxy color **44.8451, 0.3741, 0.2754** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.6711, 0.2772, 0.3912**, and the grayscale version is **46.9608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1351, 0.3174, 0.2769**, and **20.8036, 0.3917, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **37.4488, 0.3956, 0.2644**, and if you desaturate by 10%, it is **54.0358, 0.3556, 0.2877**.

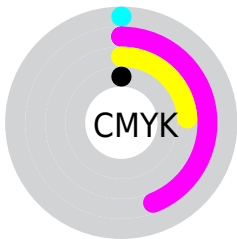
# Distribution



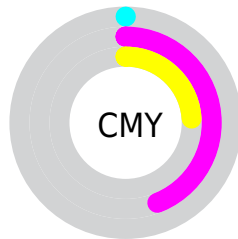
- Red (100%)
- Green (56%)
- Blue (76%)



- Red (100%)
- Yellow (56%)
- Blue (76%)



- Cyan (0%)
- Magenta (44%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8451, 0.3741, 0.2754 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 44.8451, 0.3741, 0.2754 by changing the saturation by 10% instead.





 44.8451, 0.3741,  
0.2754


 44.8451, 0.3741,  
0.2754


366.1458, 0.3438,  
0.3013

 31.3354, 0.3815,  
0.2692


 82.4879, 0.3632,  
0.2846

 20.8544, 0.3910,  
0.2614


 107.3899, 0.3591,  
0.2881

 13.0176, 0.4034,  
0.2513


136.8580, 0.3556,  
0.2911

 7.4407, 0.4205,  
0.2377

171.2768, 0.3525,  
0.2937

 3.7392, 0.4452,  
0.2185

211.0306, 0.3499,  
0.2960

 1.5288, 0.4840,  
0.1897

256.5037, 0.3476,

 0.3088, 0.5751,

0.2980

0.1079

308.0807, 0.3456,  
0.2997

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.8451, 0.3741,  
0.2754

44.8451, 0.3741,  
0.2754

37.4488, 0.3956,  
0.2644

54.0358, 0.3556,  
0.2877

31.7290, 0.4199,  
0.2557

65.1334, 0.3400,  
0.3003

27.5485, 0.4463,  
0.2506

78.2378, 0.3271,  
0.3127

24.7497, 0.4736,  
0.2505

93.4427, 0.3164,  
0.3245

■ 23.1403, 0.5002, 100.0000, 0.3127,  
0.2559 0.3290

■ 22.5774, 0.5155,  
0.2614

# Harmonies

## Analogous

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



44.8451, 0.3029, 0.2402



44.8451, 0.3741, 0.2754



44.8451, 0.4311, 0.3227

# Triad

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



44.8451, 0.3741, 0.2754



44.8451, 0.3764, 0.4542



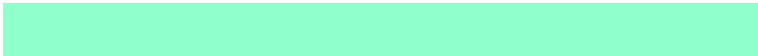
44.8451, 0.1913, 0.2599

# Complementary

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



44.8451, 0.3741, 0.2754



81.6711, 0.2772, 0.3912

# 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.



44.8451, 0.2059, 0.3181



44.8451, 0.3741, 0.2754



44.8451, 0.3100, 0.4456

# Square

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



44.8451, 0.3741, 0.2754



44.8451, 0.4289, 0.4235



44.8451, 0.2478, 0.3910



44.8451, 0.2037, 0.2287



# Rectangle

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



44.8451, 0.3741, 0.2754



44.8451, 0.4492, 0.3574



44.8451, 0.2478, 0.3910



44.8451, 0.1931, 0.2765

# Sweetspot

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



44.8441, 0.3741, 0.2754



79.5514, 0.3260, 0.3138



39.5229, 0.2739, 0.2065



16.3611, 0.3286, 0.3111



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.



44.8441, 0.3741, 0.2754



38.0591, 0.3935, 0.2653



44.0268, 0.4283, 0.3332



18.1274, 0.3221, 0.3180



11.8267, 0.5116, 0.2592



1.1733, 0.4843, 0.2441



# Inverse Universe

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



44.8441, 0.3741, 0.2754



38.0591, 0.3935, 0.2653



82.2204, 0.2525, 0.3246



18.1274, 0.3221, 0.3180



11.8267, 0.5116, 0.2592

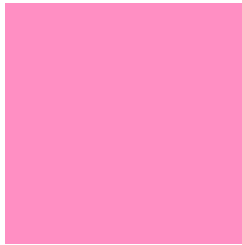


1.1733, 0.4843, 0.2441



# Previews

## White Background



This preview shows how the Yxy color 44.8451, 0.3741, 0.2754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

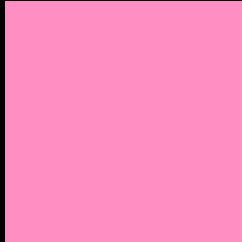
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8451, 0.3741, 0.2754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

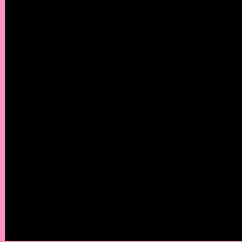
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8451, 0.3741, 0.2754**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8451, 0.3741, 0.2754.



This preview shows how white text looks on a background with the Yxy color 44.8451, 0.3741, 0.2754.

# 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

44.8451, 0.3741, 0.2754

### Protanopia

45.0001, 0.2770, 0.2781

### Deuteranopia

45.1963, 0.3154, 0.3088



## Tritanopia

44.7635, 0.4053, 0.3165

# Trichromacy



## Original Color

44.8451, 0.3741, 0.2754



## Protanomaly

43.9312, 0.3081, 0.2760



## Deuteranomaly

44.4472, 0.3356, 0.2946



## Tritanomaly

44.7672, 0.3942, 0.3018

# Monochromacy



## Original Color

44.8451, 0.3741, 0.2754



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.1484, 0.3339, 0.3060

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8451, 0.3741, 0.2754 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8451, 0.3741, 0.2754 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, 195) }
```

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

```
.border{ border-color:rgb(255, 143, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8451, 0.3741, 0.2754 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, 195) }
```

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

```
.background{ background-color: rgb(255,  
143, 195) }
```

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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