

# Converting Colors

$Y_{xy}(44.8471, 0.3727, 0.2738)$

Have a look what the booklet for  
Yxy(44.8471, 0.3727, 0.2738)  
contains.

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# Color

**Yxy(44.8904, 0.3730, 0.2744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FC4
RGB	255, 143, 196
RGB Percent	100%, 56%, 77%
CMY	0.0001, 0.4391, 0.2313
CMYK	0.00, 0.44, 0.23, 0.00
HSL	332°, 100%, 78%
HSV	332°, 44%, 100%
XYZ	61.0208, 44.8904, 57.6835
YIQ	182.5300, 49.7390, 40.2270

# Conversions

## Conversions Part 2

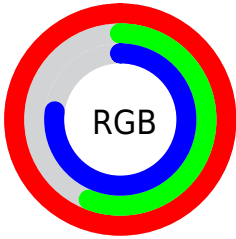
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 143, 196
Decimal	16748484
CIE <sub>Lab</sub>	72.82, 48.49, -8.69
CIE <sub>LCh</sub>	73, 49.267, 349.837
Yxy	44.8904, 0.3730, 0.2744
Android (android.graphics.Color)	4294938564 (0xFFFF8FC4)
YUV	182.5300, 6.6407, 63.5562
Hunter-Lab	67.0003, 45.3192, -4.1452

# Details

The Yxy color **44.8904, 0.3730, 0.2744** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.6086, 0.2777, 0.3925**, and the grayscale version is **47.0287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1987, 0.3167, 0.2760**, and **20.8335, 0.3901, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **37.5018, 0.3940, 0.2631**, and if you desaturate by 10%, it is **54.0776, 0.3549, 0.2869**.

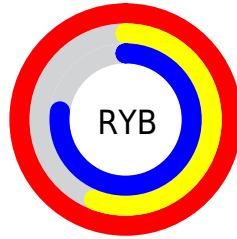
# Distribution



Red (100%)

Green (56%)

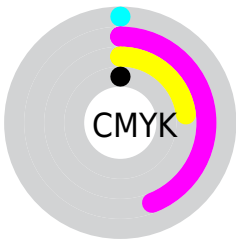
Blue (77%)



Red (100%)

Yellow (56%)

Blue (77%)

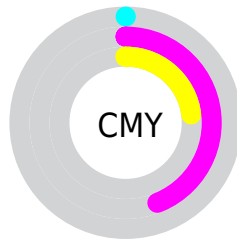


Cyan (0%)

Magenta (44%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8904, 0.3730, 0.2744 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 44.8904, 0.3730, 0.2744 by changing the saturation by 10% instead.





 44.8904, 0.3730,  
0.2744


 44.8904, 0.3730,  
0.2744


366.3295, 0.3433,  
0.3008

 31.3711, 0.3803,  
0.2681


 82.5559, 0.3623,  
0.2838

 20.8816, 0.3895,  
0.2602

 107.4709, 0.3583,  
0.2873

 13.0375, 0.4017,  
0.2500


136.9533, 0.3548,  
0.2904

 7.4544, 0.4183,  
0.2362

171.3875, 0.3519,  
0.2930

 3.7478, 0.4424,  
0.2169

211.1578, 0.3493,  
0.2953

 1.5335, 0.4801,  
0.1879

256.6486, 0.3470,

 0.3122, 0.5679,

0.2974

0.1071

308.2444, 0.3451,  
0.2992

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.8904, 0.3730,  
0.2744

44.8904, 0.3730,  
0.2744

37.5018, 0.3940,  
0.2631

54.0776, 0.3549,  
0.2869

31.7846, 0.4178,  
0.2542

65.1664, 0.3396,  
0.2997

27.6050, 0.4437,  
0.2490

78.2598, 0.3268,  
0.3124

24.8055, 0.4704,  
0.2486

93.4512, 0.3163,  
0.3245

■ 23.1940, 0.4965,  
0.2538

99.9952, 0.3127,  
0.3290

■ 22.6284, 0.5116,  
0.2592

# Harmonies

## Analogous

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



44.8904, 0.3015, 0.2394



44.8904, 0.3730, 0.2744



44.8904, 0.4307, 0.3217

# Triad

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



44.8904, 0.3730, 0.2744



44.8904, 0.3778, 0.4544



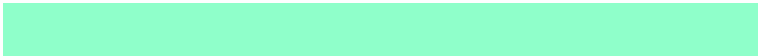
44.8904, 0.1909, 0.2605

# Complementary

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



44.8904, 0.3730, 0.2744



81.6086, 0.2777, 0.3925

# 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.



44.8904, 0.2061, 0.3194



44.8904, 0.3730, 0.2744



44.8904, 0.3112, 0.4467

# Square

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



44.8904, 0.3730, 0.2744



44.8904, 0.4301, 0.4230



44.8904, 0.2486, 0.3926



44.8904, 0.2029, 0.2287



# Rectangle

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



44.8904, 0.3730, 0.2744



44.8904, 0.4494, 0.3564



44.8904, 0.2486, 0.3926



44.8904, 0.1929, 0.2773

# Sweetspot

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



44.8926, 0.3730, 0.2744



79.5691, 0.3258, 0.3135



39.2679, 0.2724, 0.2060



16.3654, 0.3284, 0.3108



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.



44.8926, 0.3730, 0.2744



38.1104, 0.3920, 0.2641



43.4550, 0.4292, 0.3313



18.1303, 0.3220, 0.3178



11.8561, 0.5077, 0.2571



1.1763, 0.4809, 0.2423



# Inverse Universe

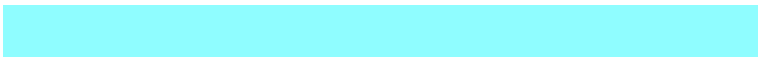
The Inverse Universe completely reimagines the original color for something new.



44.8926, 0.3730, 0.2744



38.1104, 0.3920, 0.2641



83.3792, 0.2529, 0.3267



18.1303, 0.3220, 0.3178



11.8561, 0.5077, 0.2571

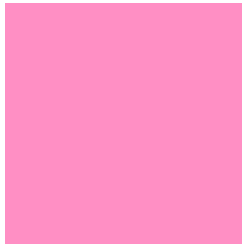


1.1763, 0.4809, 0.2423



# Previews

## White Background



This preview shows how the Yxy color 44.8904, 0.3730, 0.2744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

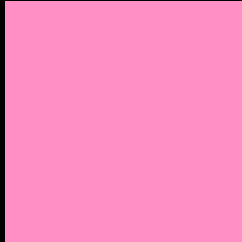
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8904, 0.3730, 0.2744 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 44.8904, 0.3730, 0.2744**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8904, 0.3730, 0.2744.



This preview shows how white text looks on a background with the Yxy color 44.8904, 0.3730, 0.2744.

# 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

44.8904, 0.3730, 0.2744

### Protanopia

45.0523, 0.2764, 0.2770

### Deuteranopia

45.1101, 0.3137, 0.3075



## Tritanopia

44.8951, 0.4040, 0.3175

# Trichromacy



## Original Color

44.8904, 0.3730, 0.2744



## Protanomaly

43.9809, 0.3073, 0.2748



## Deuteranomaly

44.3408, 0.3338, 0.2934



## Tritanomaly

44.6189, 0.3922, 0.3006

# Monochromacy



## Original Color

44.8904, 0.3730, 0.2744



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

45.1914, 0.3330, 0.3048

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8904, 0.3730, 0.2744 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8904, 0.3730, 0.2744 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, 196) }
```

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

```
.border{ border-color:rgb(255, 143, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8904, 0.3730, 0.2744 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
143, 196) }
```

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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