

# Converting Colors

Yxy(47.5194, 0.3763, 0.2890)

Have a look what the booklet for  
Yxy(47.5194, 0.3763, 0.2890)  
contains.

<b>Yxy(47.4781, 0.3760, 0.2885)</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(47.4781, 0.3760, 0.2885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF98BF
RGB	255, 152, 191
RGB Percent	100%, 60%, 75%
CMY	0.0000, 0.4039, 0.2508
CMYK	0.00, 0.40, 0.25, 0.00
HSL	337°, 100%, 80%
HSV	337°, 40%, 100%
XYZ	61.8779, 47.4781, 55.2128
YIQ	187.2430, 48.8690, 33.9650

# Conversions

## Conversions Part 2

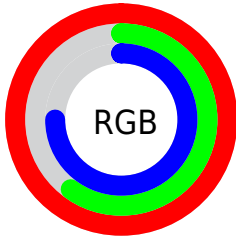
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 152, 191
Decimal	16750783
CIE <sub>Lab</sub>	74.49, 43.28, -3.46
CIE <sub>LCh</sub>	74, 43.422, 355.428
Yxy	47.4781, 0.3760, 0.2885
Android (android.graphics.Color)	4294940863 (0xFFFF98BF)
<b>YUV</b>	187.2430, 1.8522, 59.4229
Hunter-Lab	68.9044, 39.7149, 0.7242

# Details

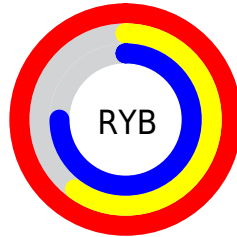
The Yxy color  $47.4781, 0.3760, 0.2885$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $83.1509, 0.2752, 0.3745$ , and the grayscale version is  $49.8072, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.0872, 0.3204, 0.2906$ , and  $22.4944, 0.3927, 0.2776$  is the 20% darker color. If you saturate the color by 10%, you get  $39.4120, 0.4002, 0.2791$ , and if you desaturate by 10%, it is  $57.3995, 0.3555, 0.2987$ .

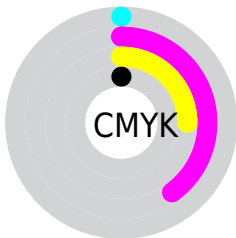
# Distribution



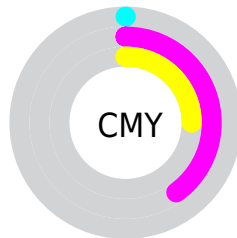
- Red (100%)
- Green (60%)
- Blue (75%)



- Red (100%)
- Yellow (60%)
- Blue (75%)



- Cyan (0%)
- Magenta (40%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4781, 0.3760, 0.2885 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 47.4781, 0.3760, 0.2885 by changing the saturation by 10% instead.





 47.4781, 0.3760,  
0.2885


 47.4781, 0.3760,  
0.2885


376.7197, 0.3447,  
0.3083

 33.4138, 0.3837,  
0.2837


 86.4268, 0.3647,  
0.2956

 22.4436, 0.3935,  
0.2776

 112.0800, 0.3605,  
0.2983

 14.1832, 0.4064,  
0.2697


142.3650, 0.3568,  
0.3006

 8.2482, 0.4241,  
0.2590

177.6661, 0.3537,  
0.3025

 4.2542, 0.4499,  
0.2435

218.3677, 0.3510,  
0.3043

 1.8167, 0.4906,  
0.2197

264.8542, 0.3487,

 0.4976, 0.5750,

0.3058

0.1650

317.5101, 0.3466,  
0.3071

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.4781, 0.3760,  
0.2885

47.4781, 0.3760,  
0.2885

39.4120, 0.4002,  
0.2791

57.3995, 0.3555,  
0.2987

33.0826, 0.4282,  
0.2715

69.2821, 0.3385,  
0.3091

28.3590, 0.4592,  
0.2669

83.2253, 0.3246,  
0.3192

25.0914, 0.4917,  
0.2667

99.3213, 0.3131,  
0.3286

■ 23.1006, 0.5235,  
0.2718

100.0000, 0.3127,  
0.3290

■ 22.1165, 0.5512,  
0.2810

# Harmonies

## Analogous

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



47.4781, 0.3149, 0.2547



47.4781, 0.3760, 0.2885



47.4781, 0.4209, 0.3322

# Triad

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



47.4781, 0.3760, 0.2885



47.4781, 0.3603, 0.4391



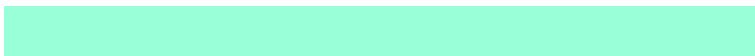
47.4781, 0.2055, 0.2629

# Complementary

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



47.4781, 0.3760, 0.2885



83.1509, 0.2752, 0.3745

# 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.



47.4781, 0.2148, 0.3106



47.4781, 0.3760, 0.2885



47.4781, 0.3015, 0.4233

# Square

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



47.4781, 0.3760, 0.2885



47.4781, 0.4089, 0.4190



47.4781, 0.2487, 0.3723



47.4781, 0.2206, 0.2384



# Rectangle

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



47.4781, 0.3760, 0.2885



47.4781, 0.4328, 0.3633



47.4781, 0.2487, 0.3723



47.4781, 0.2058, 0.2764

# Sweetspot

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



47.4785, 0.3760, 0.2885



80.8426, 0.3266, 0.3176



44.2006, 0.2848, 0.2191



16.8976, 0.3283, 0.3163



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.



47.4785, 0.3760, 0.2885



41.1800, 0.3941, 0.2812



50.0827, 0.4109, 0.3419



18.1010, 0.3234, 0.3200



11.5830, 0.5469, 0.2786



1.1482, 0.5161, 0.2617



# Inverse Universe

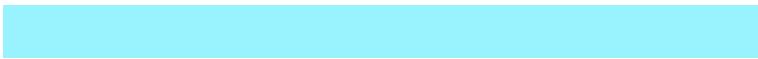
The Inverse Universe completely reimagines the original color for something new.



47.4785, 0.3760, 0.2885



41.1800, 0.3941, 0.2812



77.9860, 0.2549, 0.3153



18.1010, 0.3234, 0.3200



11.5830, 0.5469, 0.2786

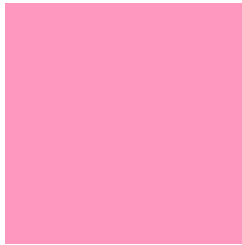


1.1482, 0.5161, 0.2617



# Previews

## White Background



This preview shows how the Yxy color 47.4781, 0.3760, 0.2885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

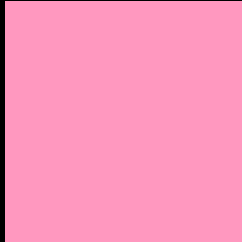
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4781, 0.3760, 0.2885 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 47.4781, 0.3760, 0.2885**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4781, 0.3760, 0.2885.



This preview shows how white text looks on a background with the Yxy color 47.4781, 0.3760, 0.2885.

# 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

47.4781, 0.3760, 0.2885

### Protanopia

47.6927, 0.2892, 0.2938

### Deuteranopia

47.7080, 0.3246, 0.3179



## Tritanopia

47.4867, 0.3964, 0.3165

# Trichromacy



## Original Color

47.4781, 0.3760, 0.2885



## Protanomaly

46.7030, 0.3180, 0.2908



## Deuteranomaly

47.2224, 0.3429, 0.3068



## Tritanomaly

47.6481, 0.3895, 0.3071

# Monochromacy



## Original Color

47.4781, 0.3760, 0.2885



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

47.9000, 0.3349, 0.3123

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4781, 0.3760, 0.2885 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, 152, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 191)  
}
```

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, 152, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4781, 0.3760, 0.2885 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, 152, 191) }
```

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

```
.border{ border-color:rgb(255, 152, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4781, 0.3760, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 191) }
```

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

```
.background{ background-color: rgb(255,  
152, 191) }
```

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