

# Converting Colors

$Yxy(50.7741, 0.3709, 0.3077)$

Have a look what the booklet for  
Yxy(50.7741, 0.3709, 0.3077)  
contains.

<b>Yxy(50.7741, 0.3709, 0.3077)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.7741, 0.3709, 0.3077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8A6BA
RGB	248, 166, 186
RGB Percent	97%, 65%, 73%
CMY	0.0276, 0.3489, 0.2705
CMYK	0.00, 0.33, 0.25, 0.03
HSL	345°, 85%, 81%
HSV	345°, 33%, 97%
XYZ	61.2028, 50.7741, 53.0348
YIQ	192.7980, 42.4520, 23.6040

# Conversions

## Conversions Part 2

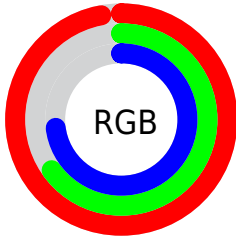
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 166, 186
Decimal	16295610
CIE Lab	76.54, 32.88, 2.19
CIE LCh	77, 32.951, 3.818
Yxy	50.7741, 0.3709, 0.3077
Android (android.graphics.Color)	4294485690 (0xFFF8A6BA)
YUV	192.7980, -3.3514, 48.4122
Hunter-Lab	71.2559, 28.6185, 5.7505

# Details

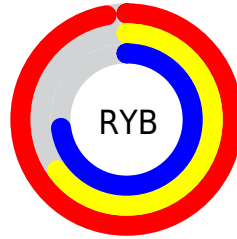
The Yxy color **50.7741, 0.3709, 0.3077** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.8245, 0.2755, 0.3518**, and the grayscale version is **53.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9134, 0.3228, 0.3093**, and **24.4509, 0.3869, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **41.8665, 0.3976, 0.3012**, and if you desaturate by 10%, it is **61.5291, 0.3489, 0.3144**.

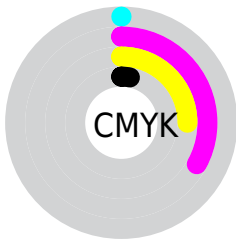
# Distribution



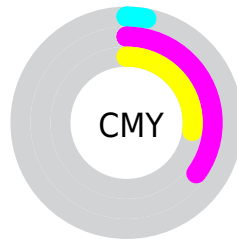
- Red (97%)
- Green (65%)
- Blue (73%)



- Red (97%)
- Yellow (65%)
- Blue (73%)



- Cyan (0%)
- Magenta (33%)
- Yellow (25%)
- Black (3%)




- Cyan (3%)
- Magenta (35%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7741, 0.3709, 0.3077 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 50.7741, 0.3709, 0.3077 by changing the saturation by 10% instead.





 50.7741, 0.3709,  
0.3077


 50.7741, 0.3709,  
0.3077


389.6855, 0.3422,  
0.3184

 36.0289, 0.3780,  
0.3050


 91.3208, 0.3605,  
0.3116

 24.4565, 0.3870,  
0.3016


 117.8910, 0.3566,  
0.3130

 15.6726, 0.3988,  
0.2971


149.1716, 0.3533,  
0.3143

 9.2928, 0.4151,  
0.2908

185.5472, 0.3504,  
0.3153

 4.9326, 0.4388,  
0.2815

227.4019, 0.3480,  
0.3162

 2.2078, 0.4762,  
0.2664

275.1203, 0.3458,

 0.7242, 0.5516,

0.3170

0.2389

329.0867, 0.3439,  
0.3178

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.7741, 0.3709,  
0.3077

50.7741, 0.3709,  
0.3077

41.8665, 0.3976,  
0.3012

61.5291, 0.3489,  
0.3144

34.6947, 0.4293,  
0.2957

74.2204, 0.3310,  
0.3210

29.1466, 0.4657,  
0.2919

88.9397, 0.3166,  
0.3272

25.0934, 0.5051,  
0.2909

98.6906, 0.3084,  
0.3290

■ 22.3866, 0.5444,  
0.2939

■ 20.8470, 0.5792,  
0.3009

■ 20.2820, 0.5991,  
0.3074

# Harmonies

## Analogous

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



50.7741, 0.3279, 0.2784



50.7741, 0.3709, 0.3077



50.7741, 0.3979, 0.3431

# Triad

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



50.7741, 0.3709, 0.3077



50.7741, 0.3376, 0.4091



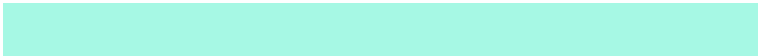
50.7741, 0.2321, 0.2730

# Complementary

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



50.7741, 0.3709, 0.3077



80.8245, 0.2755, 0.3518

# 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.



50.7741, 0.2343, 0.3052



50.7741, 0.3709, 0.3077



50.7741, 0.2933, 0.3888

# Square

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



50.7741, 0.3709, 0.3077



50.7741, 0.3770, 0.4033



50.7741, 0.2560, 0.3486



50.7741, 0.2493, 0.2580



# Rectangle

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



50.7741, 0.3709, 0.3077



50.7741, 0.4021, 0.3668



50.7741, 0.2560, 0.3486



50.7741, 0.2306, 0.2819

# Sweetspot

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



50.7765, 0.3709, 0.3077



83.6156, 0.3263, 0.3229



50.4648, 0.2999, 0.2425



17.4424, 0.3285, 0.3220



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.



50.7765, 0.3709, 0.3077



47.2521, 0.3891, 0.3031



58.0368, 0.3828, 0.3512



17.2946, 0.3255, 0.3232



10.9780, 0.5952, 0.3053



1.0327, 0.5622, 0.2871



# Inverse Universe

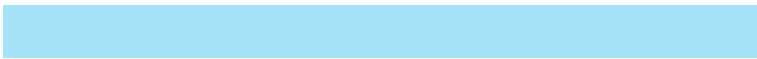
The Inverse Universe completely reimagines the original color for something new.



50.7765, 0.3709, 0.3077



47.2521, 0.3891, 0.3031



70.0864, 0.2626, 0.3054



17.2946, 0.3255, 0.3232



10.9780, 0.5952, 0.3053



1.0327, 0.5622, 0.2871



# Previews

## White Background



This preview shows how the Yxy color 50.7741, 0.3709, 0.3077 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 50.7741, 0.3709, 0.3077 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 50.7741, 0.3709, 0.3077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.7741, 0.3709, 0.3077.



This preview shows how white text looks on a background with the Yxy color 50.7741, 0.3709, 0.3077.

# 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

50.7741, 0.3709, 0.3077

### Protanopia

51.0371, 0.3060, 0.3154

### Deuteranopia

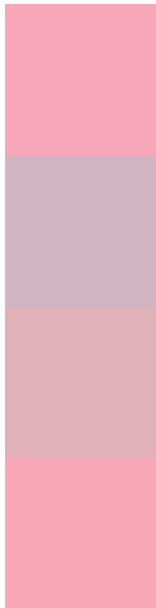
50.9875, 0.3360, 0.3291



## Tritanopia

50.7069, 0.3755, 0.3151

# Trichromacy



## Original Color

50.7741, 0.3709, 0.3077

## Protanomaly

50.3864, 0.3281, 0.3124

## Deuteranomaly

50.7523, 0.3486, 0.3210

## Tritanomaly

50.7890, 0.3736, 0.3130

# Monochromacy



## Original Color

50.7741, 0.3709, 0.3077

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

51.7308, 0.3328, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7741, 0.3709, 0.3077 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(248, 166, 186)` looks like.

```
.text, #text, p{  
    color:rgb(248, 166, 186)  
}
```

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(248, 166, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 166, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7741, 0.3709, 0.3077 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(248, 166, 186) }
```

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

```
.border{ border-color:rgb(248, 166, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 166, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 166, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 166, 186);  
box-shadow:4px 4px 4px 4px rgb(248, 166,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7741, 0.3709, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 166, 186) }
```

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

```
.background{ background-color: rgb(248,  
166, 186) }
```

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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