

# Converting Colors

$Y_{xy}(47.7914, 0.3852, 0.3080)$

Have a look what the booklet for  
Yxy(47.7914, 0.3852, 0.3080)  
contains.

<b>Yxy(47.7975, 0.3850, 0.3079)</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(47.7975, 0.3850, 0.3079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB9DB1
RGB	251, 157, 177
RGB Percent	98%, 62%, 69%
CMY	0.0158, 0.3842, 0.3059
CMYK	0.00, 0.37, 0.29, 0.02
HSL	347°, 92%, 80%
HSV	347°, 37%, 98%
XYZ	59.7663, 47.7975, 47.6733
YIQ	187.3860, 49.6040, 26.1480

# Conversions

## Conversions Part 2

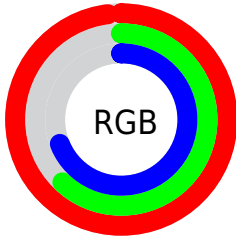
Format	Color
R <sub>Y</sub> B	251, 157, 177
Decimal	16489905
CIE Lab	74.70, 37.42, 4.51
CIE LCh	75, 37.695, 6.865
Yxy	47.7975, 0.3850, 0.3079
Android (android.graphics.Color)	4294679985 (0xFFFB9DB1)
YUV	187.3860, -5.1203, 55.7895
Hunter-Lab	69.1357, 33.3217, 7.5109

# Details

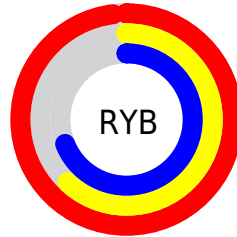
The Yxy color **47.7975, 0.3850, 0.3079** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.9093, 0.2698, 0.3518**, and the grayscale version is **49.9340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7317, 0.3298, 0.3091**, and **22.5878, 0.4045, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **39.4287, 0.4153, 0.3026**, and if you desaturate by 10%, it is **58.0290, 0.3599, 0.3137**.

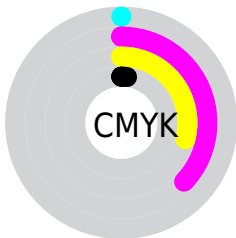
# Distribution



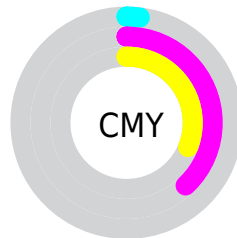
- Red (98%)
- Green (62%)
- Blue (69%)



- Red (98%)
- Yellow (62%)
- Blue (69%)



- Cyan (0%)
- Magenta (37%)
- Yellow (29%)
- Black (2%)




- Cyan (2%)
- Magenta (38%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7975, 0.3850, 0.3079 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 47.7975, 0.3850, 0.3079 by changing the saturation by 10% instead.




 47.7975, 0.3850,  
0.3079

 47.7975, 0.3850,  
0.3079


377.9889, 0.3489,  
0.3188

 33.6666, 0.3940,  
0.3051


 86.9028, 0.3719,  
0.3119

 22.6376, 0.4055,  
0.3014


 112.6460, 0.3670,  
0.3134

 14.3261, 0.4208,  
0.2964


143.0287, 0.3628,  
0.3147

 8.3478, 0.4419,  
0.2893

178.4353, 0.3592,  
0.3158

 4.3183, 0.4729,  
0.2785

219.2502, 0.3561,  
0.3167

 1.8532, 0.5225,  
0.2604

265.8579, 0.3534,

 0.5200, 0.6669,

0.3175

0.2246

318.6426, 0.3510,  
0.3182

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.7975, 0.3850,  
0.3079

47.7975, 0.3850,  
0.3079

39.4287, 0.4153,  
0.3026

58.0290, 0.3599,  
0.3137

32.8033, 0.4508,  
0.2984

70.2191, 0.3395,  
0.3195

27.7989, 0.4905,  
0.2963

84.4657, 0.3229,  
0.3251

24.2744, 0.5318,  
0.2973

99.2419, 0.3102,  
0.3290

■ 22.0639, 0.5704,  
0.3021

■ 20.9521, 0.6014,  
0.3102

■ 20.7625, 0.6081,  
0.3123

# Harmonies

## Analogous

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



47.7975, 0.3356, 0.2736



47.7975, 0.3850, 0.3079



47.7975, 0.4140, 0.3485

# Triad

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



47.7975, 0.3850, 0.3079



47.7975, 0.3358, 0.4224



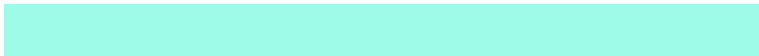
47.7975, 0.2209, 0.2610

# Complementary

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



47.7975, 0.3850, 0.3079



81.9093, 0.2698, 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.



47.7975, 0.2210, 0.2959



47.7975, 0.3850, 0.3079



47.7975, 0.2847, 0.3957

# Square

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



47.7975, 0.3850, 0.3079



47.7975, 0.3829, 0.4171



47.7975, 0.2433, 0.3462



47.7975, 0.2425, 0.2465



# Rectangle

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



47.7975, 0.3850, 0.3079



47.7975, 0.4165, 0.3756



47.7975, 0.2433, 0.3462



47.7975, 0.2185, 0.2704

# Sweetspot

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



47.7998, 0.3850, 0.3079



82.0492, 0.3284, 0.3231



48.0097, 0.3002, 0.2313



17.1282, 0.3306, 0.3224



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.



47.7998, 0.3850, 0.3079



42.7934, 0.4076, 0.3038



57.0697, 0.3943, 0.3576



17.2856, 0.3260, 0.3240



10.9346, 0.6044, 0.3103



1.0276, 0.5724, 0.2927



# Inverse Universe

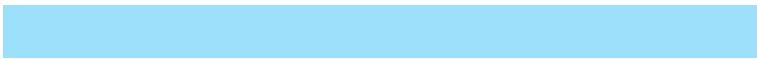
The Inverse Universe completely reimagines the original color for something new.



47.7998, 0.3850, 0.3079



42.7934, 0.4076, 0.3038



67.6311, 0.2559, 0.2980



17.2856, 0.3260, 0.3240



10.9346, 0.6044, 0.3103



1.0276, 0.5724, 0.2927



# Previews

## White Background



This preview shows how the Yxy color 47.7975, 0.3850, 0.3079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

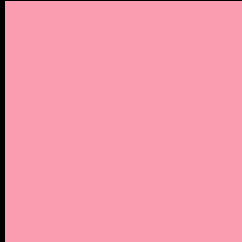
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7975, 0.3850, 0.3079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

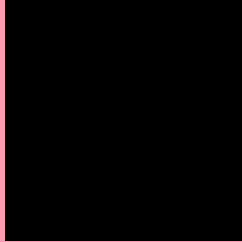
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7975, 0.3850, 0.3079**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7975, 0.3850, 0.3079.



This preview shows how white text looks on a background with the Yxy color 47.7975, 0.3850, 0.3079.

# 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

47.7975, 0.3850, 0.3079

### Protanopia

47.9870, 0.3074, 0.3175

### Deuteranopia

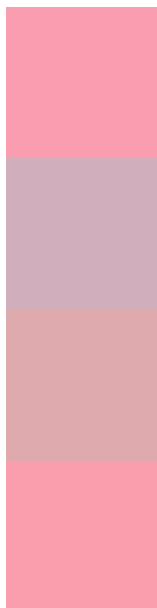
47.9797, 0.3418, 0.3353



## Tritanopia

47.6800, 0.3908, 0.3164

# Trichromacy



## Original Color

47.7975, 0.3850, 0.3079

## Protanomaly

47.4153, 0.3331, 0.3133

## Deuteranomaly

47.3350, 0.3573, 0.3244

## Tritanomaly

47.7948, 0.3878, 0.3131

# Monochromacy



## Original Color

47.7975, 0.3850, 0.3079

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.1712, 0.3371, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7975, 0.3850, 0.3079 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(251, 157, 177)` looks like.

```
.text, #text, p{  
    color:rgb(251, 157, 177)  
}
```

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(251, 157, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 157, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7975, 0.3850, 0.3079 is called "border". The border property can be set on classes, ids or directly on the HTML element.

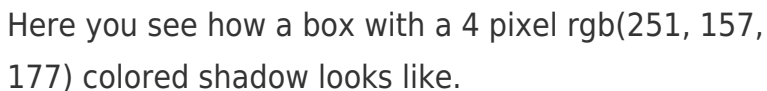
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(251, 157, 177) }
```

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

```
.border{ border-color:rgb(251, 157, 177) }
```

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



Here you see how a box with a 4 pixel `rgb(251, 157, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 157, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 157, 177);  
box-shadow:4px 4px 4px 4px rgb(251, 157,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7975, 0.3850, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 157, 177) }
```

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

```
.background{ background-color: rgb(251,  
157, 177) }
```

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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