

# Converting Colors

$Y_{xy}(48.7840, 0.3621, 0.2887)$

Have a look what the booklet for  
Yxy(48.7840, 0.3621, 0.2887)  
contains.

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# Color

**Yxy(48.7840, 0.3621, 0.2887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F89FC5
RGB	248, 159, 197
RGB Percent	97%, 62%, 77%
CMY	0.0274, 0.3764, 0.2275
CMYK	0.00, 0.36, 0.21, 0.03
HSL	334°, 86%, 80%
HSV	334°, 36%, 97%
XYZ	61.1870, 48.7840, 59.0072
YIQ	189.9430, 40.8460, 30.6860

# Conversions

## Conversions Part 2

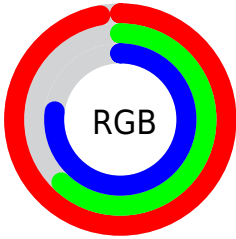
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 159, 197
Decimal	16293829
CIE Lab	75.32, 38.12, -5.62
CIE LCh	75, 38.533, 351.619
Yxy	48.7840, 0.3621, 0.2887
Android (android.graphics.Color)	4294483909 (0xFFFB89FC5)
YUV	189.9430, 3.4791, 50.9160
Hunter-Lab	69.8455, 34.1422, -1.1977

# Details

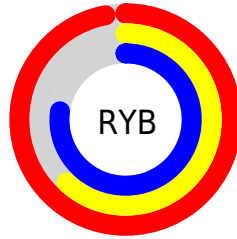
The Yxy color **48.7840, 0.3621, 0.2887** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.1623, 0.2809, 0.3738**, and the grayscale version is **51.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0166, 0.3152, 0.2910**, and **23.2384, 0.3758, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **40.4738, 0.3826, 0.2776**, and if you desaturate by 10%, it is **58.8713, 0.3448, 0.3003**.

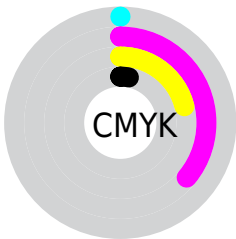
# Distribution



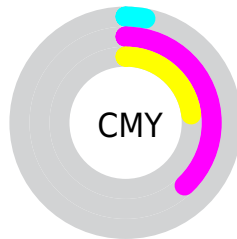
- Red (97%)
- Green (62%)
- Blue (77%)



- Red (97%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (36%)
- Yellow (21%)
- Black (3%)



- Cyan (3%)
- Magenta (38%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7840, 0.3621, 0.2887 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 48.7840, 0.3621, 0.2887 by changing the saturation by 10% instead.




 48.7840, 0.3621,  
0.2887


 48.7840, 0.3621,  
0.2887

381.8914, 0.3379,  
0.3082

 34.4482, 0.3680,  
0.2840


 88.3706, 0.3534,  
0.2956

 23.2381, 0.3755,  
0.2782


 114.3901, 0.3501,  
0.2983

 14.7694, 0.3853,  
0.2706


145.0729, 0.3473,  
0.3005

 8.6577, 0.3987,  
0.2603


180.8036, 0.3449,  
0.3025

 4.5186, 0.4181,  
0.2458

221.9663, 0.3428,  
0.3042

 1.9677, 0.4485,  
0.2237

268.9456, 0.3410,

 0.5886, 0.5071,

0.3057

0.1787

322.1258, 0.3393,  
0.3070

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.7840, 0.3621,  
0.2887

48.7840, 0.3621,  
0.2887

40.4738, 0.3826,  
0.2776

58.8713, 0.3448,  
0.3003

33.8291, 0.4065,  
0.2678

70.8247, 0.3305,  
0.3118

28.7366, 0.4334,  
0.2606

84.7356, 0.3187,  
0.3228

25.0655, 0.4624,  
0.2572

98.6233, 0.3091,  
0.3301

■ 22.6633, 0.4920,  
0.2589

■ 98.6969, 0.3084,  
0.3290

■ 21.3415, 0.5201,  
0.2660

■ 20.9943, 0.5311,  
0.2700

# Harmonies

## Analogous

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



48.7840, 0.3081, 0.2597



48.7840, 0.3621, 0.2887



48.7840, 0.4041, 0.3274

# Triad

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



48.7840, 0.3621, 0.2887



48.7840, 0.3618, 0.4250



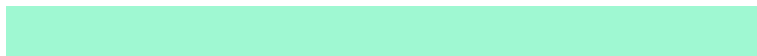
48.7840, 0.2169, 0.2754

# Complementary

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



48.7840, 0.3621, 0.2887



79.1623, 0.2809, 0.3738

# 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.



48.7840, 0.2285, 0.3200



48.7840, 0.3621, 0.2887



48.7840, 0.3101, 0.4146

# Square

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



48.7840, 0.3621, 0.2887



48.7840, 0.4022, 0.4056



48.7840, 0.2616, 0.3736



48.7840, 0.2278, 0.2502



# Rectangle

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



48.7840, 0.3621, 0.2887



48.7840, 0.4174, 0.3553



48.7840, 0.2616, 0.3736



48.7840, 0.2182, 0.2884

# Sweetspot

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



48.7863, 0.3621, 0.2887



82.3982, 0.3244, 0.3173



45.1954, 0.2852, 0.2311



17.2110, 0.3261, 0.3157



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.



48.7863, 0.3621, 0.2887



45.4302, 0.3765, 0.2806



49.3490, 0.3973, 0.3357



17.3482, 0.3227, 0.3189



11.3676, 0.5271, 0.2678



1.0736, 0.4967, 0.2510



# Inverse Universe

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



48.7863, 0.3621, 0.2887



45.4302, 0.3765, 0.2806



77.6948, 0.2613, 0.3221



17.3482, 0.3227, 0.3189



11.3676, 0.5271, 0.2678

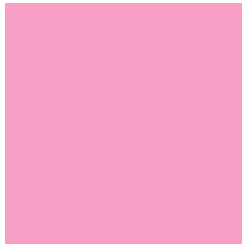


1.0736, 0.4967, 0.2510



# Previews

## White Background



This preview shows how the Yxy color 48.7840, 0.3621, 0.2887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

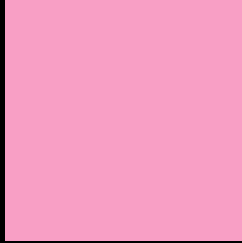
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7840, 0.3621, 0.2887 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 48.7840, 0.3621, 0.2887**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7840, 0.3621, 0.2887.



This preview shows how white text looks on a background with the Yxy color 48.7840, 0.3621, 0.2887.

# 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

48.7840, 0.3621, 0.2887

### Protanopia

48.9088, 0.2887, 0.2929

### Deuteranopia

48.9103, 0.3203, 0.3131



## Tritanopia

48.8824, 0.3806, 0.3162

# Trichromacy



## Original Color

48.7840, 0.3621, 0.2887



## Protanomaly

48.1441, 0.3128, 0.2909



## Deuteranomaly

48.3055, 0.3353, 0.3033



## Tritanomaly

49.0337, 0.3740, 0.3065

# Monochromacy



## Original Color

48.7840, 0.3621, 0.2887



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

49.9393, 0.3291, 0.3124

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7840, 0.3621, 0.2887 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, 159, 197)` looks like.

```
.text, #text, p{  
    color:rgb(248, 159, 197)  
}
```

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, 159, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 159, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7840, 0.3621, 0.2887 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, 159, 197) }
```

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

```
.border{ border-color:rgb(248, 159, 197) }
```

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

Here you see how a box with a 4 pixel rgb(248, 159, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 159, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 159, 197);  
box-shadow:4px 4px 4px 4px rgb(248, 159,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7840, 0.3621, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 159, 197) }
```

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

```
.background{ background-color: rgb(248,  
159, 197) }
```

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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