

Converting Colors

$Y_{xy}(49.9738, 0.3830, 0.2970)$

Have a look what the booklet for
Yxy(49.9738, 0.3830, 0.2970)
contains.

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Color

Yxy(49.0048, 0.3777, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	FF9DBC
RGB	255, 157, 188
RGB Percent	100%, 62%, 74%
CMY	0.0002, 0.3842, 0.2628
CMYK	0.00, 0.38, 0.26, 0.00
HSL	341°, 100%, 81%
HSV	341°, 38%, 100%
XYZ	62.3622, 49.0048, 53.7435
YIQ	189.8360, 48.4570, 30.4170

Conversions

Conversions Part 2

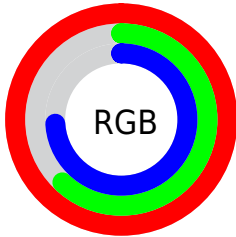
Format	Color
R _Y B	255, 157, 188
Decimal	16752060
CIE Lab	75.45, 40.28, -0.38
CIE LCh	75, 40.277, 359.461
Yxy	49.0048, 0.3777, 0.2968
Android (android.graphics.Color)	4294942140 (0xFFFF9DBC)
YUV	189.8360, -0.9051, 57.1488
Hunter-Lab	70.0034, 36.5099, 3.4839

Details

The Yxy color **49.0048, 0.3777, 0.2968** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.0475, 0.2737, 0.3645**, and the grayscale version is **51.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3802, 0.3221, 0.2984**, and **23.3857, 0.3951, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **40.5523, 0.4039, 0.2888**, and if you desaturate by 10%, it is **59.3528, 0.3558, 0.3054**.

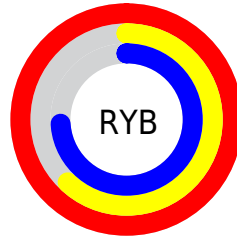
Distribution



Red (100%)

Green (62%)

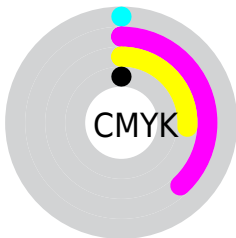
Blue (74%)



Red (100%)

Yellow (62%)

Blue (74%)

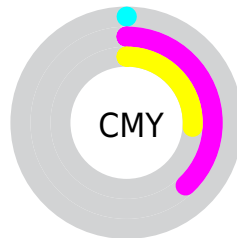


Cyan (0%)

Magenta (38%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0048, 0.3777, 0.2968 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 49.0048, 0.3777, 0.2968 by changing the saturation by 10% instead.

 49.0048, 0.3777,
0.2968


 49.0048, 0.3777,
0.2968


382.7612, 0.3455,
0.3127

 34.6233, 0.3856,
0.2929


 88.6986, 0.3661,
0.3025

 23.3728, 0.3957,
0.2879


 114.7796, 0.3617,
0.3047

 14.8690, 0.4089,
0.2814


145.5293, 0.3580,
0.3065

 8.7275, 0.4271,
0.2724

181.3321, 0.3548,
0.3081

 4.5639, 0.4537,
0.2594

222.5722, 0.3520,
0.3095

 1.9937, 0.4955,
0.2389

269.6342, 0.3496,

 0.6038, 0.5801,

0.3107

0.1969

322.9024, 0.3475,
0.3118

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.0048, 0.3777,
0.2968

49.0048, 0.3777,
0.2968

40.5523, 0.4039,
0.2888

59.3528, 0.3558,
0.3054

33.8723, 0.4345,
0.2823

71.6954, 0.3377,
0.3141

28.8382, 0.4688,
0.2784

86.1332, 0.3230,
0.3224

25.3032, 0.5049,
0.2785

99.9924, 0.3127,
0.3290

■ 23.0943, 0.5400,
0.2833

■ 21.9709, 0.5708,
0.2927

■ 21.8406, 0.5753,
0.2943

Harmonies

Analogous

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



49.0048, 0.3226, 0.2636



49.0048, 0.3777, 0.2968



49.0048, 0.4153, 0.3384

Triad

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



49.0048, 0.3777, 0.2968



49.0048, 0.3500, 0.4299



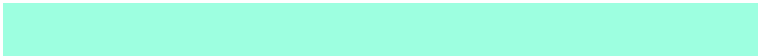
49.0048, 0.2139, 0.2641

Complementary

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



49.0048, 0.3777, 0.2968



84.0475, 0.2737, 0.3645

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.



49.0048, 0.2197, 0.3057



49.0048, 0.3777, 0.2968



49.0048, 0.2957, 0.4101

Square

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



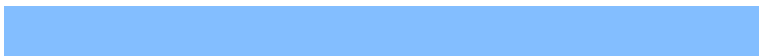
49.0048, 0.3777, 0.2968



49.0048, 0.3967, 0.4162



49.0048, 0.2484, 0.3612



49.0048, 0.2310, 0.2438

Rectangle

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



49.0048, 0.3777, 0.2968



49.0048, 0.4234, 0.3673



49.0048, 0.2484, 0.3612



49.0048, 0.2132, 0.2757

Sweetspot

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



49.0072, 0.3777, 0.2968



80.7314, 0.3279, 0.3195



47.1808, 0.2918, 0.2263



16.8716, 0.3298, 0.3184



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.



49.0072, 0.3777, 0.2968



42.4377, 0.3972, 0.2906



54.3416, 0.4013, 0.3482



18.0817, 0.3244, 0.3215



11.4400, 0.5711, 0.2919



1.1327, 0.5391, 0.2743

Inverse Universe

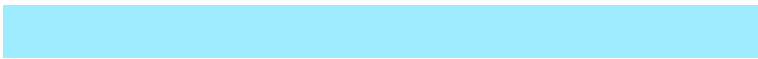
The Inverse Universe completely reimagines the original color for something new.



49.0072, 0.3777, 0.2968



42.4377, 0.3972, 0.2906



74.9606, 0.2562, 0.3085



18.0817, 0.3244, 0.3215



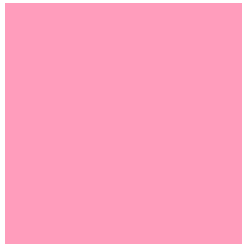
11.4400, 0.5711, 0.2919



1.1327, 0.5391, 0.2743

Previews

White Background



This preview shows how the Yxy color 49.0048, 0.3777, 0.2968 looks on a white background.

Color Contrast Check

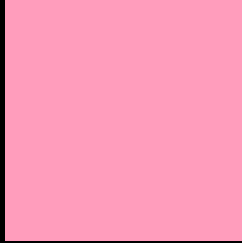
Large Text (above 18pt) WCAG AA × Fail

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 49.0048, 0.3777, 0.2968 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 49.0048, 0.3777, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 49.0048, 0.3777, 0.2968.



This preview shows how white text looks on a background with the Yxy color 49.0048, 0.3777, 0.2968.

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

49.0048, 0.3777, 0.2968

Protanopia

49.2960, 0.2968, 0.3040

Deuteranopia

49.0823, 0.3312, 0.3242



Tritanopia

49.0028, 0.3909, 0.3165

Trichromacy



Original Color

49.0048, 0.3777, 0.2968



Protanomaly

48.4851, 0.3236, 0.3005



Deuteranomaly

48.6958, 0.3478, 0.3140



Tritanomaly

49.0815, 0.3862, 0.3092

Monochromacy



Original Color

49.0048, 0.3777, 0.2968



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.8111, 0.3352, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0048, 0.3777, 0.2968 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, 157, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 188)  
}
```

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, 157, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 188) }
```

Border

The CSS property to change the border of an element to Yxy 49.0048, 0.3777, 0.2968 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, 157, 188) }
```

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

```
.border{ border-color:rgb(255, 157, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0048, 0.3777, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 188) }
```

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

```
.background{ background-color: rgb(255,  
157, 188) }
```

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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