

Converting Colors

$Y_{xy}(49.1754, 0.3814, 0.3019)$

Have a look what the booklet for
Yxy(49.1754, 0.3814, 0.3019)
contains.

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Color

Yxy(49.1744, 0.3814, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EB8
RGB	255, 158, 184
RGB Percent	100%, 62%, 72%
CMY	0.0000, 0.3804, 0.2783
CMYK	0.00, 0.38, 0.28, 0.00
HSL	344°, 100%, 81%
HSV	344°, 38%, 100%
XYZ	62.1236, 49.1744, 51.5851
YIQ	189.9670, 49.4660, 28.6500

Conversions

Conversions Part 2

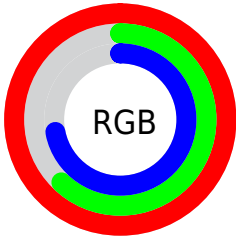
Format	Color
R _Y B	255, 158, 184
Decimal	16752312
CIE Lab	75.56, 39.27, 1.95
CIE LCh	76, 39.314, 2.840
Yxy	49.1744, 0.3814, 0.3019
Android (android.graphics.Color)	4294942392 (0xFFFF9EB8)
YUV	189.9670, -2.9417, 57.0339
Hunter-Lab	70.1245, 35.4162, 5.4721

Details

The Yxy color **49.1744, 0.3814, 0.3019** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.4438, 0.2718, 0.3586**, and the grayscale version is **51.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6444, 0.3248, 0.3033**, and **23.4776, 0.4004, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **40.6286, 0.4096, 0.2951**, and if you desaturate by 10%, it is **59.6300, 0.3579, 0.3092**.

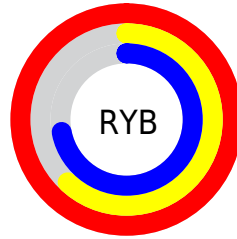
Distribution



Red (100%)

Green (62%)

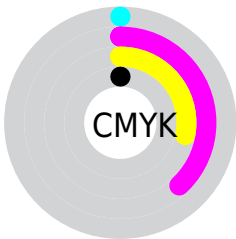
Blue (72%)



Red (100%)

Yellow (62%)

Blue (72%)

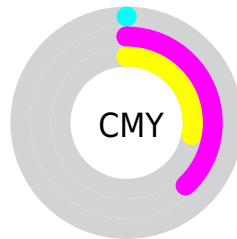


Cyan (0%)

Magenta (38%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1744, 0.3814, 0.3019 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 49.1744, 0.3814, 0.3019 by changing the saturation by 10% instead.

 49.1744, 0.3814,
0.3019

 49.1744, 0.3814,
0.3019

383.4285, 0.3473,
0.3155

 34.7578, 0.3898,
0.2985

 88.9504, 0.3691,
0.3068

 23.4764, 0.4005,
0.2941

 115.0787, 0.3644,
0.3087

 14.9457, 0.4146,
0.2884


145.8796, 0.3605,
0.3103

 8.7813, 0.4341,
0.2803

181.7376, 0.3571,
0.3116

 4.5988, 0.4624,
0.2685

223.0372, 0.3542,
0.3128

 2.0138, 0.5072,
0.2494

270.1625, 0.3516,

 0.6155, 0.6045,

0.3138

0.2118

323.4982, 0.3493,
0.3147

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1744, 0.3814,
0.3019

49.1744, 0.3814,
0.3019

40.6286, 0.4096,
0.2951

59.6300, 0.3579,
0.3092

33.8731, 0.4426,
0.2897

72.0990, 0.3387,
0.3166

28.7796, 0.4794,
0.2867

86.6811, 0.3231,
0.3236

25.2014, 0.5181,
0.2874

100.0000, 0.3127,
0.3290

■ 22.9652, 0.5551,
0.2924

■ 21.8378, 0.5863,
0.3015

■ 21.6829, 0.5918,
0.3034

Harmonies

Analogous

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



49.1744, 0.3287, 0.2681



49.1744, 0.3814, 0.3019



49.1744, 0.4151, 0.3431

Triad

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



49.1744, 0.3814, 0.3019



49.1744, 0.3434, 0.4268



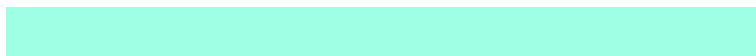
49.1744, 0.2169, 0.2624

Complementary

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



49.1744, 0.3814, 0.3019



84.4438, 0.2718, 0.3586

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.



49.1744, 0.2200, 0.3009



49.1744, 0.3814, 0.3019



49.1744, 0.2904, 0.4036

Square

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



49.1744, 0.3814, 0.3019



49.1744, 0.3905, 0.4170



49.1744, 0.2458, 0.3541



49.1744, 0.2361, 0.2448

Rectangle

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



49.1744, 0.3814, 0.3019



49.1744, 0.4205, 0.3713



49.1744, 0.2458, 0.3541



49.1744, 0.2154, 0.2730

Sweetspot

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



49.1754, 0.3814, 0.3019



82.1390, 0.3274, 0.3216



48.0880, 0.2946, 0.2281



17.1495, 0.3294, 0.3207



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.



49.1754, 0.3814, 0.3019



42.2227, 0.4034, 0.2964



55.9749, 0.3988, 0.3514



18.0672, 0.3252, 0.3226



11.3508, 0.5876, 0.3011



1.1225, 0.5558, 0.2836

Inverse Universe

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



49.1754, 0.3814, 0.3019



42.2227, 0.4034, 0.2964



73.3248, 0.2561, 0.3050



18.0672, 0.3252, 0.3226



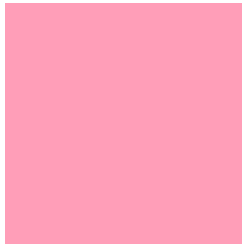
11.3508, 0.5876, 0.3011



1.1225, 0.5558, 0.2836

Previews

White Background



This preview shows how the Yxy color 49.1744, 0.3814, 0.3019 looks on a white background.

Color Contrast Check

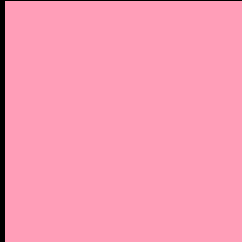
Large Text (above 18pt) WCAG AA × Fail

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 49.1744, 0.3814, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

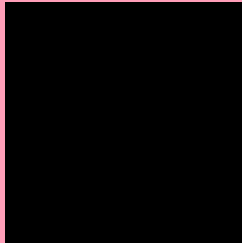
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1744, 0.3814, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 49.1744, 0.3814, 0.3019.



This preview shows how white text looks on a background with the Yxy color 49.1744, 0.3814, 0.3019.

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

49.1744, 0.3814, 0.3019

Protanopia

49.3072, 0.3021, 0.3102

Deuteranopia

49.2032, 0.3364, 0.3291



Tritanopia

49.1910, 0.3918, 0.3166

Trichromacy



Original Color

49.1744, 0.3814, 0.3019



Protanomaly

48.4039, 0.3287, 0.3064



Deuteranomaly

48.6885, 0.3523, 0.3186



Tritanomaly

49.0017, 0.3882, 0.3113

Monochromacy



Original Color

49.1744, 0.3814, 0.3019



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7678, 0.3361, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1744, 0.3814, 0.3019 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, 158, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 184)  
}
```

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, 158, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 184) }
```

Border

The CSS property to change the border of an element to Yxy 49.1744, 0.3814, 0.3019 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, 158, 184) }
```

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

```
.border{ border-color:rgb(255, 158, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1744, 0.3814, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 184) }
```

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

```
.background{ background-color: rgb(255,  
158, 184) }
```

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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