

Converting Colors

$Y_{xy}(49.8233, 0.3729, 0.2940)$

Have a look what the booklet for
Yxy(49.8233, 0.3729, 0.2940)
contains.

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Color

Yxy(49.9065, 0.3723, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FC1
RGB	255, 159, 193
RGB Percent	100%, 62%, 76%
CMY	0.0000, 0.3764, 0.2431
CMYK	0.00, 0.38, 0.24, 0.00
HSL	339°, 100%, 81%
HSV	339°, 38%, 100%
XYZ	63.2625, 49.9065, 56.7544
YIQ	191.5800, 46.3020, 30.9260

Conversions

Conversions Part 2

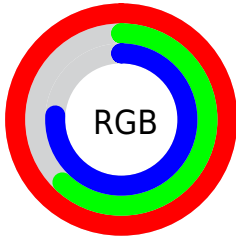
Format	Color
R _Y B	255, 159, 193
Decimal	16752577
CIE Lab	76.01, 39.95, -2.32
CIE LCh	76, 40.020, 356.682
Yxy	49.9065, 0.3723, 0.2937
Android (android.graphics.Color)	4294942657 (0xFFFF9FC1)
YUV	191.5800, 0.7001, 55.6193
Hunter-Lab	70.6445, 36.2196, 1.8188

Details

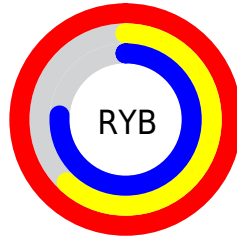
The Yxy color **49.9065, 0.3723, 0.2937** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.1081, 0.2762, 0.3680**, and the grayscale version is **52.4322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7004, 0.3186, 0.2957**, and **23.9373, 0.3873, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **41.3299, 0.3966, 0.2846**, and if you desaturate by 10%, it is **60.3785, 0.3520, 0.3034**.

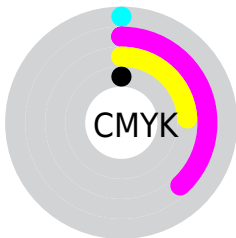
Distribution



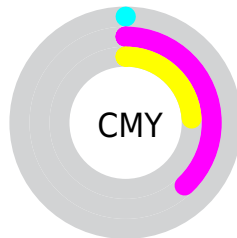
- Red (100%)
- Green (62%)
- Blue (76%)



- Red (100%)
- Yellow (62%)
- Blue (76%)



- Cyan (0%)
- Magenta (38%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9065, 0.3723, 0.2937 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 49.9065, 0.3723, 0.2937 by changing the saturation by 10% instead.


 49.9065, 0.3723,
0.2937

 49.9065, 0.3723,
0.2937


386.3002, 0.3430,
0.3109

 35.3391, 0.3795,
0.2895


 90.0363, 0.3618,
0.2999

 23.9242, 0.3885,
0.2843

 116.3676, 0.3578,
0.3022

 15.2774, 0.4005,
0.2774


147.3889, 0.3544,
0.3042

 9.0143, 0.4168,
0.2681

183.4846, 0.3515,
0.3059

 4.7505, 0.4404,
0.2548

225.0392, 0.3489,
0.3074

 2.1016, 0.4773,
0.2342

272.4371, 0.3467,

 0.6655, 0.5456,

0.3087

0.1948

326.0626, 0.3448,
0.3099

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9065, 0.3723,
0.2937

49.9065, 0.3723,
0.2937

41.3299, 0.3966,
0.2846

60.3785, 0.3520,
0.3034

34.5268, 0.4248,
0.2770

72.8438, 0.3352,
0.3130

29.3724, 0.4566,
0.2720

87.4019, 0.3215,
0.3223

25.7221, 0.4904,
0.2710

99.9988, 0.3127,
0.3290

■ 23.4062, 0.5239,
0.2750

■ 22.2011, 0.5543,
0.2840

■ 22.0024, 0.5610,
0.2864

Harmonies

Analogous

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



49.9065, 0.3173, 0.2619



49.9065, 0.3723, 0.2937



49.9065, 0.4118, 0.3344

Triad

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



49.9065, 0.3723, 0.2937



49.9065, 0.3545, 0.4286



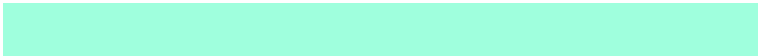
49.9065, 0.2145, 0.2678

Complementary

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



49.9065, 0.3723, 0.2937



84.1081, 0.2762, 0.3680

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.



49.9065, 0.2224, 0.3107



49.9065, 0.3723, 0.2937



49.9065, 0.3008, 0.4122

Square

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



49.9065, 0.3723, 0.2937



49.9065, 0.3992, 0.4127



49.9065, 0.2529, 0.3659



49.9065, 0.2295, 0.2457

Rectangle

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



49.9065, 0.3723, 0.2937



49.9065, 0.4218, 0.3630



49.9065, 0.2529, 0.3659



49.9065, 0.2146, 0.2800

Sweetspot

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



49.9089, 0.3723, 0.2937



82.2786, 0.3258, 0.3192



47.2035, 0.2885, 0.2273



17.1826, 0.3276, 0.3180



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.



49.9089, 0.3723, 0.2937



43.4212, 0.3898, 0.2869



53.1941, 0.4009, 0.3427



18.0934, 0.3238, 0.3206



11.5230, 0.5567, 0.2840



1.1418, 0.5252, 0.2667

Inverse Universe

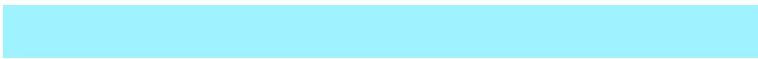
The Inverse Universe completely reimagines the original color for something new.



49.9089, 0.3723, 0.2937



43.4212, 0.3898, 0.2869



78.2123, 0.2580, 0.3145



18.0934, 0.3238, 0.3206



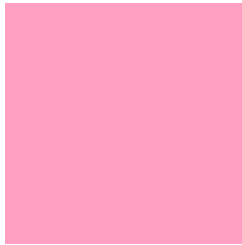
11.5230, 0.5567, 0.2840



1.1418, 0.5252, 0.2667

Previews

White Background



This preview shows how the Yxy color 49.9065, 0.3723, 0.2937 looks on a white background.

Color Contrast Check

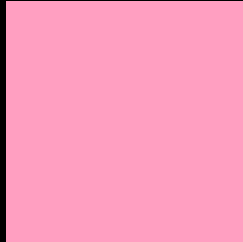
Large Text (above 18pt) WCAG AA × Fail

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 49.9065, 0.3723, 0.2937 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 49.9065, 0.3723, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 49.9065, 0.3723, 0.2937.



This preview shows how white text looks on a background with the Yxy color 49.9065, 0.3723, 0.2937.

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

49.9065, 0.3723, 0.2937

Protanopia

50.0852, 0.2940, 0.2993

Deuteranopia

50.1092, 0.3268, 0.3205



Tritanopia

49.7793, 0.3883, 0.3165

Trichromacy



Original Color

49.9065, 0.3723, 0.2937



Protanomaly

49.1119, 0.3194, 0.2960



Deuteranomaly

49.6778, 0.3430, 0.3106



Tritanomaly

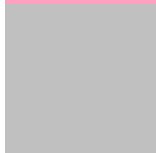
49.8968, 0.3826, 0.3081

Monochromacy



Original Color

49.9065, 0.3723, 0.2937



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.8954, 0.3333, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9065, 0.3723, 0.2937 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, 159, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 193)  
}
```

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, 159, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 193) }
```

Border

The CSS property to change the border of an element to Yxy 49.9065, 0.3723, 0.2937 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, 159, 193) }
```

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

```
.border{ border-color:rgb(255, 159, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9065, 0.3723, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 193) }
```

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

```
.background{ background-color: rgb(255,  
159, 193) }
```

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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