

# Converting Colors

$Yxy(48.3918, 0.3631, 0.2767)$

Have a look what the booklet for  
Yxy(48.3918, 0.3631, 0.2767)  
contains.

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# Color

**Yxy(48.4021, 0.3629, 0.2765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99CC
RGB	255, 153, 204
RGB Percent	100%, 60%, 80%
CMY	0.0001, 0.3999, 0.2000
CMYK	0.00, 0.40, 0.20, 0.00
HSL	330°, 100%, 80%
HSV	330°, 40%, 100%
XYZ	63.5267, 48.4021, 63.1240
YIQ	189.3120, 44.4210, 37.4850

# Conversions

## Conversions Part 2

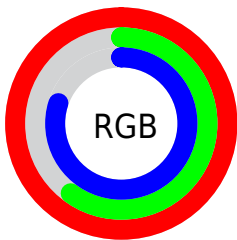
Format	Color
R <sub>Y</sub> B	255, 153, 204
Decimal	16751052
CIE Lab	75.08, 44.59, -9.74
CIE LCh	75, 45.636, 347.682
Yxy	48.4021, 0.3629, 0.2765
Android (android.graphics.Color)	4294941132 (0xFFFF99CC)
YUV	189.3120, 7.2412, 57.6084
Hunter-Lab	69.5716, 41.2401, -5.0951

# Details

The Yxy color **48.4021, 0.3629, 0.2765** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.6439, 0.2816, 0.3892**, and the grayscale version is **51.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0521, 0.3754, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **40.3426, 0.3817, 0.2640**, and if you desaturate by 10%, it is **58.2996, 0.3468, 0.2899**.

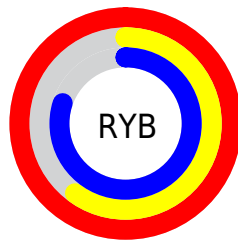
# Distribution



Red (100%)

Green (60%)

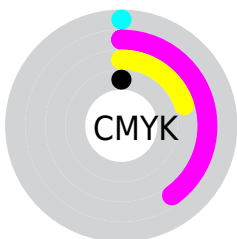
Blue (80%)



Red (100%)

Yellow (60%)

Blue (80%)

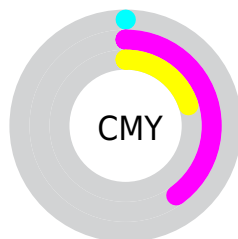


Cyan (0%)

Magenta (40%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4021, 0.3629, 0.2765 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 48.4021, 0.3629, 0.2765 by changing the saturation by 10% instead.





 48.4021, 0.3629,  
0.2765

 48.4021, 0.3629,  
0.2765


380.3837, 0.3385,  
0.3015

 34.1454, 0.3688,  
0.2706


 87.8028, 0.3542,  
0.2853

 23.0053, 0.3762,  
0.2633


 113.7156, 0.3509,  
0.2887

 14.5975, 0.3858,  
0.2538


144.2826, 0.3481,  
0.2916

 8.5374, 0.3988,  
0.2413

179.8881, 0.3456,  
0.2941

 4.4407, 0.4174,  
0.2239

220.9166, 0.3435,  
0.2963

 1.9230, 0.4459,  
0.1981

267.7524, 0.3417,

 0.5621, 0.4994,

0.2982

0.1486

320.7800, 0.3400,  
0.3000

0.0000, 0.8672,  
0.0000

0.0000, 0.0000,  
0.0000

48.4021, 0.3629,  
0.2765

48.4021, 0.3629,  
0.2765

40.3426, 0.3817,  
0.2640

58.2996, 0.3468,  
0.2899

33.9983, 0.4030,  
0.2534

70.1337, 0.3333,  
0.3034

29.2424, 0.4266,  
0.2460

84.0045, 0.3220,  
0.3165

25.9271, 0.4514,  
0.2430

99.9971, 0.3127,  
0.3290

■ 23.8764, 0.4763, 99.9973, 0.3127,  
0.2454 0.3290

■ 22.8036, 0.5001,  
0.2529

■ 22.8028, 0.5001,  
0.2529

# Harmonies

## Analogous

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



48.4021, 0.2985, 0.2452



48.4021, 0.3629, 0.2765



48.4021, 0.4164, 0.3197

# Triad

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



48.4021, 0.3629, 0.2765



48.4021, 0.3767, 0.4415



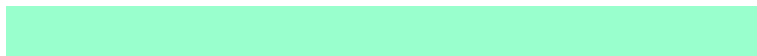
48.4021, 0.2013, 0.2705

# Complementary

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



48.4021, 0.3629, 0.2765



82.6439, 0.2816, 0.3892

# 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.



48.4021, 0.2176, 0.3256



48.4021, 0.3629, 0.2765



48.4021, 0.3166, 0.4362

# Square

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



48.4021, 0.3629, 0.2765



48.4021, 0.4222, 0.4128



48.4021, 0.2585, 0.3905



48.4021, 0.2106, 0.2389



# Rectangle

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



48.4021, 0.3629, 0.2765



48.4021, 0.4353, 0.3517



48.4021, 0.2585, 0.3905



48.4021, 0.2039, 0.2865

# Sweetspot

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



48.4044, 0.3629, 0.2765



81.0601, 0.3241, 0.3140



42.6048, 0.2742, 0.2169



16.9487, 0.3255, 0.3123



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.



48.4044, 0.3629, 0.2765



41.8121, 0.3777, 0.2664



46.4014, 0.4131, 0.3275



18.1386, 0.3215, 0.3172



11.9466, 0.4964, 0.2508



1.1853, 0.4710, 0.2368



# Inverse Universe

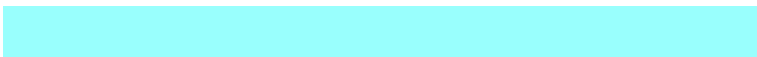
The Inverse Universe completely reimagines the original color for something new.



48.4044, 0.3629, 0.2765



41.8121, 0.3777, 0.2664



85.3946, 0.2582, 0.3307



18.1386, 0.3215, 0.3172



11.9466, 0.4964, 0.2508



1.1853, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 48.4021, 0.3629, 0.2765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

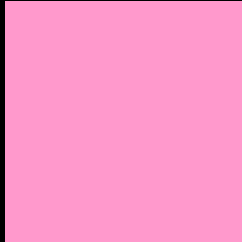
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4021, 0.3629, 0.2765 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 48.4021, 0.3629, 0.2765**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4021, 0.3629, 0.2765.



This preview shows how white text looks on a background with the Yxy color 48.4021, 0.3629, 0.2765.

# 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

48.4021, 0.3629, 0.2765

### Protanopia

48.8929, 0.2775, 0.2797

### Deuteranopia

48.6364, 0.3121, 0.3057



## Tritanopia

48.2458, 0.3904, 0.3164

# Trichromacy



## Original Color

48.4021, 0.3629, 0.2765



## Protanomaly

47.8760, 0.3050, 0.2773



## Deuteranomaly

47.8719, 0.3295, 0.2930



## Tritanomaly

48.2283, 0.3800, 0.3016

# Monochromacy



## Original Color

48.4021, 0.3629, 0.2765



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.0918, 0.3304, 0.3077

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4021, 0.3629, 0.2765 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, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 204)  
}
```

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, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4021, 0.3629, 0.2765 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, 153, 204) }
```

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

```
.border{ border-color:rgb(255, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4021, 0.3629, 0.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 204) }
```

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

```
.background{ background-color: rgb(255,  
153, 204) }
```

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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