

# Converting Colors

$Y_{xy}(40.4455, 0.3874, 0.2706)$

Have a look what the booklet for  
Yxy(40.4455, 0.3874, 0.2706)  
contains.

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# Color

**Yxy(40.5057, 0.3872, 0.2706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF81BA
RGB	255, 129, 186
RGB Percent	100%, 51%, 73%
CMY	0.0000, 0.4942, 0.2705
CMYK	0.00, 0.49, 0.27, 0.00
HSL	333°, 100%, 75%
HSV	333°, 49%, 100%
XYZ	57.9594, 40.5057, 51.2234
YIQ	173.1720, 56.7990, 44.4390

# Conversions

## Conversions Part 2

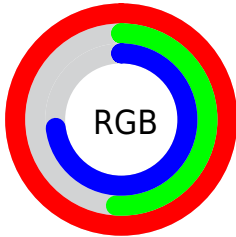
Format	Color
R <sub>Y</sub> B	255, 129, 186
Decimal	16744890
CIE Lab	69.83, 54.05, -7.57
CIE LCh	70, 54.577, 352.028
Yxy	40.5057, 0.3872, 0.2706
Android (android.graphics.Color)	4294934970 (0xFFFF81BA)
YUV	173.1720, 6.3242, 71.7632
Hunter-Lab	63.6441, 51.1792, -3.1682

# Details

The Yxy color  $40.5057, 0.3872, 0.2706$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $80.2628, 0.2733, 0.3988$ , and the grayscale version is  $41.8240, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $62.3687, 0.3257, 0.2722$ , and  $18.1931, 0.4080, 0.2543$  is the 20% darker color. If you saturate the color by 10%, you get  $34.0390, 0.4109, 0.2610$ , and if you desaturate by 10%, it is  $48.7026, 0.3665, 0.2820$ .

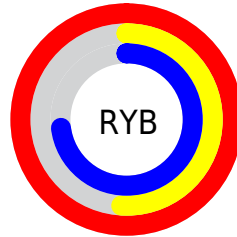
# Distribution



Red (100%)

Green (51%)

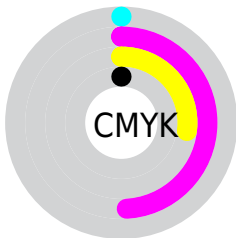
Blue (73%)



Red (100%)

Yellow (51%)

Blue (73%)

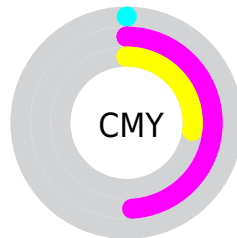


Cyan (0%)

Magenta (49%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5057, 0.3872, 0.2706 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 40.5057, 0.3872, 0.2706 by changing the saturation by 10% instead.





 40.5057, 0.3872,  
0.2706


 40.5057, 0.3872,  
0.2706


348.2504, 0.3498,  
0.2993

 27.9331, 0.3966,  
0.2636


 75.9330, 0.3736,  
0.2809

 18.2752, 0.4086,  
0.2548


 99.5564, 0.3685,  
0.2848

 11.1477, 0.4245,  
0.2432


 127.6321, 0.3642,  
0.2881

 6.1663, 0.4467,  
0.2275

160.5447, 0.3605,  
0.2910

 2.9465, 0.4793,  
0.2050

198.6784, 0.3573,  
0.2935

 1.1038, 0.5317,  
0.1707

242.4177, 0.3545,

 0.0000, 0.7322,

0.2957

0.0000

292.1469, 0.3520,  
0.2976

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

40.5057, 0.3872,  
0.2706

40.5057, 0.3872,  
0.2706

34.0390, 0.4109,  
0.2610

48.7026, 0.3665,  
0.2820

29.1792, 0.4372,  
0.2544

58.7507, 0.3490,  
0.2942

25.7776, 0.4650,  
0.2522

70.7538, 0.3343,  
0.3065

23.6596, 0.4929,  
0.2553

84.8092, 0.3222,  
0.3184

■ 22.5581, 0.5191,  
0.2636

100.0000, 0.3127,  
0.3290

■ 22.5068, 0.5206,  
0.2641

# Harmonies

## Analogous

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



40.5057, 0.3051, 0.2308



40.5057, 0.3872, 0.2706



40.5057, 0.4514, 0.3233

# Triad

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



40.5057, 0.3872, 0.2706



40.5057, 0.3795, 0.4736



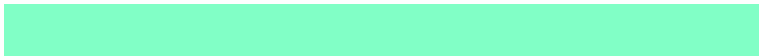
40.5057, 0.1761, 0.2466

# Complementary

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



40.5057, 0.3872, 0.2706



80.2628, 0.2733, 0.3988

# 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.



40.5057, 0.1900, 0.3108



40.5057, 0.3872, 0.2706



40.5057, 0.3038, 0.4632

# Square

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



40.5057, 0.3872, 0.2706



40.5057, 0.4413, 0.4370



40.5057, 0.2347, 0.3965



40.5057, 0.1915, 0.2144



# Rectangle

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



40.5057, 0.3872, 0.2706



40.5057, 0.4699, 0.3619



40.5057, 0.2347, 0.3965



40.5057, 0.1774, 0.2644

# Sweetspot

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



40.5039, 0.3872, 0.2706



76.7008, 0.3287, 0.3118



34.6804, 0.2675, 0.1904



15.7985, 0.3313, 0.3093



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.



40.5039, 0.3872, 0.2706



34.2745, 0.4098, 0.2613



39.6724, 0.4510, 0.3337



18.1238, 0.3223, 0.3183



11.7894, 0.5166, 0.2619



1.1696, 0.4887, 0.2466



# Inverse Universe

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



40.5039, 0.3872, 0.2706



34.2745, 0.4098, 0.2613



80.7558, 0.2469, 0.3240



18.1238, 0.3223, 0.3183



11.7894, 0.5166, 0.2619

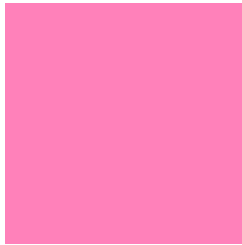


1.1696, 0.4887, 0.2466



# Previews

## White Background



This preview shows how the Yxy color 40.5057, 0.3872, 0.2706 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 40.5057, 0.3872, 0.2706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

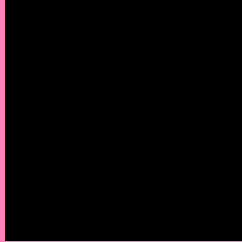
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.5057, 0.3872, 0.2706**

## Background



This preview shows how black text looks on a background with the Yxy color 40.5057, 0.3872, 0.2706.

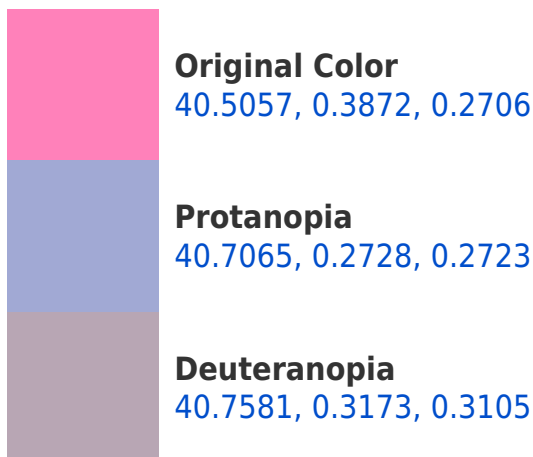


This preview shows how white text looks on a background with the Yxy color 40.5057, 0.3872, 0.2706.

# 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





## Tritanopia

40.5071, 0.4249, 0.3188

# Trichromacy



## Original Color

40.5057, 0.3872, 0.2706



## Protanomaly

39.0251, 0.3081, 0.2681



## Deuteranomaly

39.8615, 0.3418, 0.2936



## Tritanomaly

40.3189, 0.4112, 0.3008

# Monochromacy



## Original Color

40.5057, 0.3872, 0.2706



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

40.0248, 0.3382, 0.3027

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.5057, 0.3872, 0.2706 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, 129, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 186)  
}
```

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, 129, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 40.5057, 0.3872, 0.2706 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, 129, 186) }
```

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

```
.border{ border-color:rgb(255, 129, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.5057, 0.3872, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 186) }
```

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

```
.background{ background-color: rgb(255,  
129, 186) }
```

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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