

# Converting Colors

$Y_{xy}(62.0124, 0.4223, 0.3076)$

Have a look what the booklet for  
Yxy(62.0124, 0.4223, 0.3076)  
contains.

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# **Color**

**Yxy(50.6885, 0.3774, 0.3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA2BB
RGB	255, 162, 187
RGB Percent	100%, 64%, 73%
CMY	0.0000, 0.3647, 0.2667
CMYK	0.00, 0.36, 0.27, 0.00
HSL	344°, 100%, 82%
HSV	344°, 36%, 100%
XYZ	63.1348, 50.6885, 53.4655
YIQ	192.6570, 47.4030, 27.4910

# Conversions

## Conversions Part 2

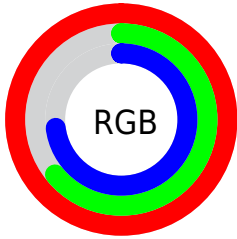
Format	Color
R <sub>Y</sub> B	255, 162, 187
Decimal	16753339
CIE Lab	76.49, 37.60, 1.68
CIE LCh	76, 37.635, 2.558
Yxy	50.6885, 0.3774, 0.3030
Android (android.graphics.Color)	4294943419 (0xFFFFA2BB)
YUV	192.6570, -2.7889, 54.6748
Hunter-Lab	71.1959, 33.6968, 5.3125

# Details

The Yxy color **50.6885, 0.3774, 0.3030** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.9144, 0.2732, 0.3572**, and the grayscale version is **53.1098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8739, 0.3224, 0.3044**, and **24.3943, 0.3945, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **41.8486, 0.4048, 0.2961**, and if you desaturate by 10%, it is **61.4505, 0.3546, 0.3104**.

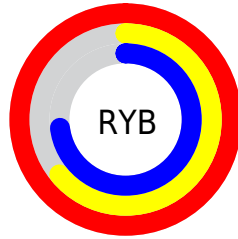
# Distribution



Red (100%)

Green (64%)

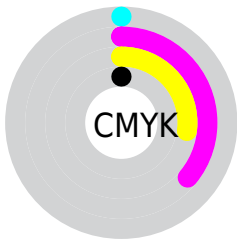
Blue (73%)



Red (100%)

Yellow (64%)

Blue (73%)

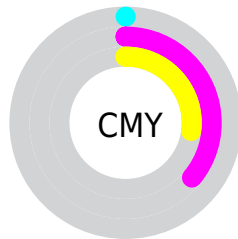


Cyan (0%)

Magenta (36%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6885, 0.3774, 0.3030 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 50.6885, 0.3774, 0.3030 by changing the saturation by 10% instead.





 50.6885, 0.3774,  
0.3030

 50.6885, 0.3774,  
0.3030


389.3523, 0.3455,  
0.3160

 35.9608, 0.3852,  
0.2998


 91.1942, 0.3659,  
0.3077

 24.4039, 0.3952,  
0.2957


 117.7409, 0.3616,  
0.3095

 15.6335, 0.4083,  
0.2902


148.9960, 0.3579,  
0.3110

 9.2652, 0.4262,  
0.2827

185.3440, 0.3547,  
0.3122

 4.9146, 0.4523,  
0.2717

227.1693, 0.3519,  
0.3134

 2.1972, 0.4932,  
0.2542

274.8561, 0.3495,

 0.7185, 0.5724,

0.3143

0.2221

328.7890, 0.3474,  
0.3152

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.6885, 0.3774,  
0.3030

50.6885, 0.3774,  
0.3030

41.8486, 0.4048,  
0.2961

61.4505, 0.3546,  
0.3104

34.8205, 0.4370,  
0.2904

74.2441, 0.3360,  
0.3177

29.4756, 0.4734,  
0.2869

89.1656, 0.3209,  
0.3247

25.6703, 0.5120,  
0.2869

100.0000, 0.3127,  
0.3290

■ 23.2365, 0.5495,  
0.2913

■ 21.9649, 0.5817,  
0.2999

■ 21.6839, 0.5916,  
0.3033

# Harmonies

## Analogous

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



50.6885, 0.3275, 0.2707



50.6885, 0.3774, 0.3030



50.6885, 0.4095, 0.3424

# Triad

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



50.6885, 0.3774, 0.3030



50.6885, 0.3426, 0.4215



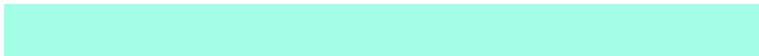
50.6885, 0.2213, 0.2661

# Complementary

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



50.6885, 0.3774, 0.3030



84.9144, 0.2732, 0.3572

# 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.



50.6885, 0.2246, 0.3030



50.6885, 0.3774, 0.3030



50.6885, 0.2922, 0.3997

# Square

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



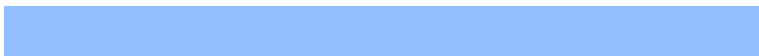
50.6885, 0.3774, 0.3030



50.6885, 0.3871, 0.4125



50.6885, 0.2495, 0.3534



50.6885, 0.2396, 0.2489



# Rectangle

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



50.6885, 0.3774, 0.3030



50.6885, 0.4150, 0.3693



50.6885, 0.2495, 0.3534



50.6885, 0.2200, 0.2763

# Sweetspot

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



50.6870, 0.3774, 0.3030



82.1395, 0.3274, 0.3216



49.6598, 0.2956, 0.2324



17.1496, 0.3294, 0.3206



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.



50.6870, 0.3774, 0.3030



43.8603, 0.3976, 0.2977



57.3848, 0.3940, 0.3504



18.0673, 0.3252, 0.3226



11.3514, 0.5875, 0.3010



1.1225, 0.5557, 0.2835



# Inverse Universe

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



50.6870, 0.3774, 0.3030



43.8603, 0.3976, 0.2977



74.2314, 0.2582, 0.3061



18.0673, 0.3252, 0.3226



11.3514, 0.5875, 0.3010



1.1225, 0.5557, 0.2835



# Previews

## White Background



This preview shows how the Yxy color 50.6885, 0.3774, 0.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

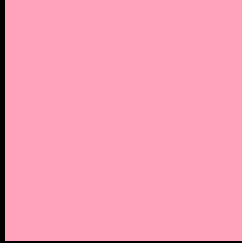
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6885, 0.3774, 0.3030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

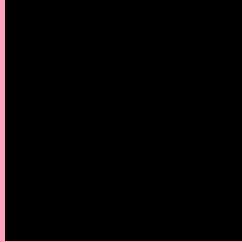
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6885, 0.3774, 0.3030**

## Background



This preview shows how black text looks on a background with the Yxy color 50.6885, 0.3774, 0.3030.



This preview shows how white text looks on a background with the Yxy color 50.6885, 0.3774, 0.3030.

# 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

50.6885, 0.3774, 0.3030

### Protanopia

51.0495, 0.3030, 0.3117

### Deuteranopia

50.9875, 0.3360, 0.3291



## Tritanopia

50.7563, 0.3866, 0.3165

# Trichromacy



## Original Color

50.6885, 0.3774, 0.3030



## Protanomaly

50.4176, 0.3275, 0.3078



## Deuteranomaly

50.2894, 0.3508, 0.3187



## Tritanomaly

50.5605, 0.3830, 0.3113

# Monochromacy



## Original Color

50.6885, 0.3774, 0.3030



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

51.8164, 0.3347, 0.3185

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6885, 0.3774, 0.3030 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, 162, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 187)  
}
```

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, 162, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6885, 0.3774, 0.3030 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, 162, 187) }
```

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

```
.border{ border-color:rgb(255, 162, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6885, 0.3774, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 187) }
```

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

```
.background{ background-color: rgb(255,  
162, 187) }
```

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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