

# Converting Colors

$Y_{xy}(38.4612, 0.4064, 0.2972)$

Have a look what the booklet for  
Yxy(38.4612, 0.4064, 0.2972)  
contains.

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# Color

**Yxy(38.3986, 0.4064, 0.2969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F683A1
RGB	246, 131, 161
RGB Percent	96%, 51%, 63%
CMY	0.0352, 0.4863, 0.3685
CMYK	0.00, 0.47, 0.35, 0.04
HSL	344°, 86%, 74%
HSV	344°, 47%, 96%
XYZ	52.5604, 38.3986, 38.3727
YIQ	168.8050, 58.9100, 33.7100

# Conversions

## Conversions Part 2

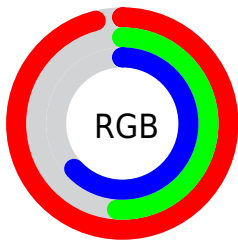
Format	Color
R <sub>Y</sub> B	246, 131, 161
Decimal	16155553
CIE Lab	68.31, 46.98, 4.10
CIE LCh	68, 47.161, 4.984
Yxy	38.3986, 0.4064, 0.2969
Android (android.graphics.Color)	4294345633 (0xFFFF683A1)
YUV	168.8050, -3.8479, 67.7000
Hunter-Lab	61.9666, 42.9632, 6.6614

# Details

The Yxy color **38.3986, 0.4064, 0.2969** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.7004, 0.2642, 0.3655**, and the grayscale version is **39.5736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3357, 0.3463, 0.2984**, and **17.1394, 0.4349, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **31.9631, 0.4390, 0.2914**, and if you desaturate by 10%, it is **46.4997, 0.3786, 0.3036**.

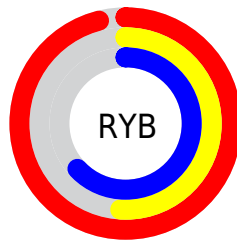
# Distribution



Red (96%)

Green (51%)

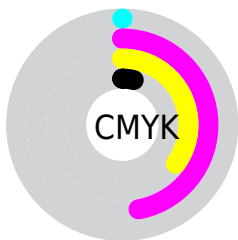
Blue (63%)



Red (96%)

Yellow (51%)

Blue (63%)

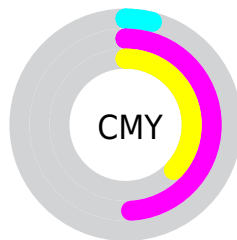


Cyan (0%)

Magenta (47%)

Yellow (35%)

Black (4%)



Cyan (4%)

Magenta (49%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3986, 0.4064, 0.2969 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 38.3986, 0.4064, 0.2969 by changing the saturation by 10% instead.





 38.3986, 0.4064,  
0.2969


 38.3986, 0.4064,  
0.2969


339.3268, 0.3580,  
0.3140

 26.2922, 0.4189,  
0.2923


 72.7187, 0.3885,  
0.3033

 17.0424, 0.4353,  
0.2863


 95.7011, 0.3818,  
0.3057

 10.2647, 0.4574,  
0.2780


 123.0778, 0.3763,  
0.3076

 5.5748, 0.4888,  
0.2659

155.2329, 0.3715,  
0.3093

 2.5883, 0.5366,  
0.2468

192.5510, 0.3674,  
0.3107

 0.9208, 0.6190,  
0.2144

235.4164, 0.3639,

 0.0000, 1.0000,

0.3119

0.0000

284.2135, 0.3607,  
0.3130

0.0000, 0.0000,  
0.0000

38.3986, 0.4064,  
0.2969

38.3986, 0.4064,  
0.2969

31.9631, 0.4390,  
0.2914

46.4997, 0.3786,  
0.3036

27.0707, 0.4758,  
0.2882

56.3661, 0.3555,  
0.3107

23.5912, 0.5147,  
0.2884

68.0966, 0.3367,  
0.3179

21.3700, 0.5524,  
0.2928

81.7806, 0.3214,  
0.3247

20.2124, 0.5845,  
0.3014

97.5022, 0.3090,  
0.3310

■ 19.9679, 0.5936,  
0.3044

■ 98.3350, 0.3072,  
0.3290

# Harmonies

## Analogous

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



38.3986, 0.3378, 0.2546



38.3986, 0.4064, 0.2969



38.3986, 0.4478, 0.3479

# Triad

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



38.3986, 0.4064, 0.2969



38.3986, 0.3450, 0.4577



38.3986, 0.1928, 0.2403

# Complementary

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



38.3986, 0.4064, 0.2969



75.7004, 0.2642, 0.3655

# 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.



38.3986, 0.1941, 0.2861



38.3986, 0.4064, 0.2969



38.3986, 0.2776, 0.4251

# Square

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



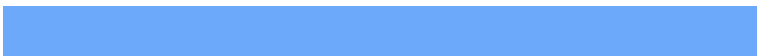
38.3986, 0.4064, 0.2969



38.3986, 0.4072, 0.4432



38.3986, 0.2232, 0.3557



38.3986, 0.2182, 0.2220



# Rectangle

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



38.3986, 0.4064, 0.2969



38.3986, 0.4517, 0.3831



38.3986, 0.2232, 0.3557



38.3986, 0.1902, 0.2524

# Sweetspot

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



38.4005, 0.4064, 0.2969



77.7158, 0.3322, 0.3197



37.3846, 0.2907, 0.2055



15.9810, 0.3357, 0.3182



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.



38.4005, 0.4064, 0.2969



35.0781, 0.4368, 0.2917



45.6301, 0.4264, 0.3583



16.5536, 0.3252, 0.3228



10.6764, 0.5896, 0.3022



0.9545, 0.5544, 0.2828



# Inverse Universe

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



38.4005, 0.4064, 0.2969



35.0781, 0.4368, 0.2917



62.2337, 0.2445, 0.2962



16.5536, 0.3252, 0.3228



10.6764, 0.5896, 0.3022



0.9545, 0.5544, 0.2828



# Previews

## White Background



This preview shows how the Yxy color 38.3986, 0.4064, 0.2969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

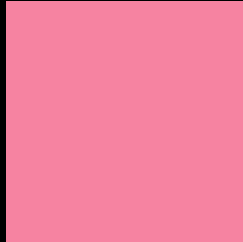
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.3986, 0.4064, 0.2969 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 38.3986, 0.4064, 0.2969**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3986, 0.4064, 0.2969.



This preview shows how white text looks on a background with the Yxy color 38.3986, 0.4064, 0.2969.

# 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

38.3986, 0.4064, 0.2969

### Protanopia

38.7156, 0.3001, 0.3082

### Deuteranopia

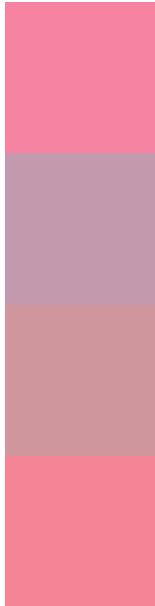
38.4548, 0.3427, 0.3358



## Tritanopia

38.4763, 0.4240, 0.3185

# Trichromacy



**Original Color**

38.3986, 0.4064, 0.2969

**Protanomaly**

37.4406, 0.3348, 0.3018

**Deuteranomaly**

37.6912, 0.3648, 0.3191

**Tritanomaly**

38.3895, 0.4174, 0.3109

# Monochromacy



**Original Color**

38.3986, 0.4064, 0.2969

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

38.0662, 0.3443, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3986, 0.4064, 0.2969 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(246, 131, 161)` looks like.

```
.text, #text, p{  
    color:rgb(246, 131, 161)  
}
```

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(246, 131, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 131, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3986, 0.4064, 0.2969 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(246, 131, 161) }
```

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

```
.border{ border-color:rgb(246, 131, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 131, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 131, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 131, 161);  
box-shadow:4px 4px 4px 4px rgb(246, 131,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3986, 0.4064, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 131, 161) }
```

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

```
.background{ background-color: rgb(246,  
131, 161) }
```

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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