

# Converting Colors

$Yxy(46.9834, 0.3664, 0.2882)$

Have a look what the booklet for  
Yxy(46.9834, 0.3664, 0.2882)  
contains.

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# Color

**Yxy(47.0671, 0.3659, 0.2885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79BC1
RGB	247, 155, 193
RGB Percent	97%, 61%, 76%
CMY	0.0315, 0.3921, 0.2432
CMYK	0.00, 0.37, 0.22, 0.03
HSL	335°, 85%, 79%
HSV	335°, 37%, 97%
XYZ	59.6945, 47.0671, 56.3826
YIQ	186.8400, 42.6340, 31.3220

# Conversions

## Conversions Part 2

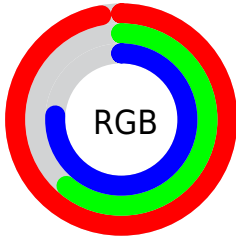
Format	Color
R <sub>Y</sub> B	247, 155, 193
Decimal	16227265
CIE Lab	74.23, 39.25, -5.03
CIE LCh	74, 39.576, 352.696
Yxy	47.0671, 0.3659, 0.2885
Android (android.graphics.Color)	4294417345 (0xFFFF79BC1)
YUV	186.8400, 3.0369, 52.7603
Hunter-Lab	68.6055, 35.2555, -0.7030

# Details

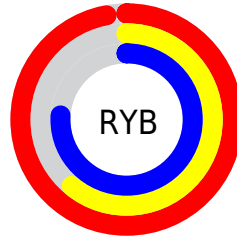
The Yxy color  $47.0671, 0.3659, 0.2885$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $78.0757, 0.2793, 0.3741$ , and the grayscale version is  $49.5654, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.6881, 0.3188, 0.2917$ , and  $22.2150, 0.3800, 0.2771$  is the 20% darker color. If you saturate the color by 10%, you get  $39.0552, 0.3874, 0.2779$ , and if you desaturate by 10%, it is  $56.8278, 0.3478, 0.2997$ .

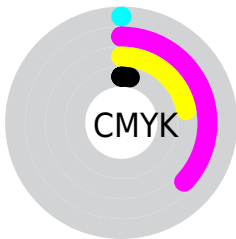
# Distribution



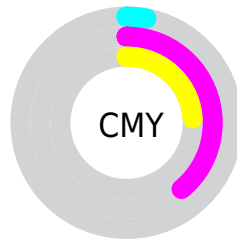
- Red (97%)
- Green (61%)
- Blue (76%)



- Red (97%)
- Yellow (61%)
- Blue (76%)



- Cyan (0%)
- Magenta (37%)
- Yellow (22%)
- Black (3%)



- Cyan (3%)
- Magenta (39%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0671, 0.3659, 0.2885 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 47.0671, 0.3659, 0.2885 by changing the saturation by 10% instead.





 47.0671, 0.3659,  
0.2885

 47.0671, 0.3659,  
0.2885


375.0823, 0.3396,  
0.3082

 33.0887, 0.3723,  
0.2837


 85.8138, 0.3564,  
0.2955

 22.1944, 0.3806,  
0.2777


 111.3508, 0.3529,  
0.2982

 13.9998, 0.3914,  
0.2699


141.5096, 0.3498,  
0.3005

 8.1205, 0.4063,  
0.2593

176.6744, 0.3472,  
0.3025

 4.1722, 0.4279,  
0.2441

217.2297, 0.3449,  
0.3042

 1.7703, 0.4623,  
0.2208

263.5598, 0.3430,

 0.4686, 0.5361,

0.3057

0.1634

316.0492, 0.3412,  
0.3070

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.0671, 0.3659,  
0.2885

47.0671, 0.3659,  
0.2885

39.0552, 0.3874,  
0.2779

56.8278, 0.3478,  
0.2997

32.6806, 0.4124,  
0.2687

68.4269, 0.3327,  
0.3109

27.8290, 0.4405,  
0.2622

81.9557, 0.3203,  
0.3216

24.3686, 0.4706,  
0.2598

97.4974, 0.3101,  
0.3317

■ 22.1446, 0.5009,  
0.2624

■ 98.5080, 0.3078,  
0.3290

■ 20.9570, 0.5293,  
0.2704

■ 20.7266, 0.5369,  
0.2731

# Harmonies

## Analogous

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



47.0671, 0.3098, 0.2581



47.0671, 0.3659, 0.2885



47.0671, 0.4089, 0.3287

# Triad

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



47.0671, 0.3659, 0.2885



47.0671, 0.3616, 0.4290



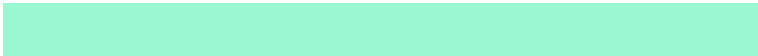
47.0671, 0.2135, 0.2719

# Complementary

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



47.0671, 0.3659, 0.2885



78.0757, 0.2793, 0.3741

# 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.



47.0671, 0.2246, 0.3176



47.0671, 0.3659, 0.2885



47.0671, 0.3079, 0.4172

# Square

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



47.0671, 0.3659, 0.2885



47.0671, 0.4044, 0.4093



47.0671, 0.2580, 0.3735



47.0671, 0.2256, 0.2468



# Rectangle

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



47.0671, 0.3659, 0.2885



47.0671, 0.4219, 0.3575



47.0671, 0.2580, 0.3735



47.0671, 0.2146, 0.2851

# Sweetspot

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



47.0693, 0.3659, 0.2885



82.3752, 0.3247, 0.3176



43.6705, 0.2851, 0.2276



17.2055, 0.3264, 0.3162



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.



47.0693, 0.3659, 0.2885



43.7042, 0.3825, 0.2801



48.2194, 0.4012, 0.3376



16.5960, 0.3229, 0.3193



10.9917, 0.5327, 0.2708



0.9860, 0.5001, 0.2528



# Inverse Universe

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



47.0693, 0.3659, 0.2885



43.7042, 0.3825, 0.2801



75.5959, 0.2594, 0.3201



16.5960, 0.3229, 0.3193



10.9917, 0.5327, 0.2708



0.9860, 0.5001, 0.2528



# Previews

## White Background



This preview shows how the Yxy color 47.0671, 0.3659, 0.2885 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 47.0671, 0.3659, 0.2885 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 47.0671, 0.3659, 0.2885**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0671, 0.3659, 0.2885.



This preview shows how white text looks on a background with the Yxy color 47.0671, 0.3659, 0.2885.

# 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

47.0671, 0.3659, 0.2885

### Protanopia

47.5740, 0.2884, 0.2937

### Deuteranopia

47.1242, 0.3213, 0.3141



## Tritanopia

47.1490, 0.3849, 0.3161

# Trichromacy



## Original Color

47.0671, 0.3659, 0.2885



## Protanomaly

46.5612, 0.3137, 0.2905



## Deuteranomaly

46.6926, 0.3375, 0.3042



## Tritanomaly

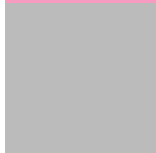
47.3012, 0.3781, 0.3064

# Monochromacy



## Original Color

47.0671, 0.3659, 0.2885



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

47.8894, 0.3312, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0671, 0.3659, 0.2885 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(247, 155, 193)` looks like.

```
.text, #text, p{  
    color:rgb(247, 155, 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(247, 155, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 155, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0671, 0.3659, 0.2885 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(247, 155, 193) }
```

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

```
.border{ border-color:rgb(247, 155, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 155, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 155, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 155, 193);  
box-shadow:4px 4px 4px 4px rgb(247, 155,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0671, 0.3659, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 155, 193) }
```

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

```
.background{ background-color: rgb(247,  
155, 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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