

# Converting Colors

Yxy(64.0658, 0.4597, 0.2930)

Have a look what the booklet for  
Yxy(64.0658, 0.4597, 0.2930)  
contains.

<b>Yxy(42.7392, 0.3840, 0.2775)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.7392, 0.3840, 0.2775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF89BB
RGB	255, 137, 187
RGB Percent	100%, 54%, 73%
CMY	0.0002, 0.4626, 0.2667
CMYK	0.00, 0.46, 0.27, 0.00
HSL	335°, 100%, 77%
HSV	335°, 46%, 100%
XYZ	59.1418, 42.7392, 52.1341
YIQ	177.9820, 54.2780, 40.5660

# Conversions

## Conversions Part 2

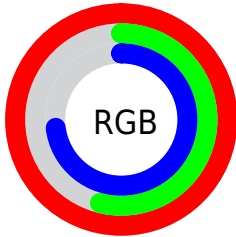
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 137, 187
Decimal	16746939
CIE <sub>Lab</sub>	71.38, 50.24, -5.81
CIE <sub>LCh</sub>	71, 50.571, 353.398
Yxy	42.7392, 0.3840, 0.2775
Android (android.graphics.Color)	4294937019 (0xFFFF89BB)
YUV	177.9820, 4.4459, 67.5448
Hunter-Lab	65.3752, 47.0737, -1.5187

# Details

The Yxy color  $42.7392, 0.3840, 0.2775$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $81.2232, 0.2735, 0.3891$ , and the grayscale version is  $44.4689, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $65.8710, 0.3243, 0.2793$ , and  $19.6435, 0.4045, 0.2635$  is the 20% darker color. If you saturate the color by 10%, you get  $35.7291, 0.4082, 0.2679$ , and if you desaturate by 10%, it is  $51.5304, 0.3632, 0.2885$ .

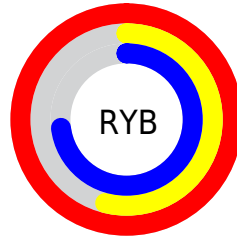
# Distribution



Red (100%)

Green (54%)

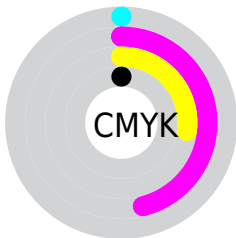
Blue (73%)



Red (100%)

Yellow (54%)

Blue (73%)

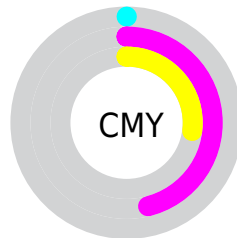


Cyan (0%)

Magenta (46%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7392, 0.3840, 0.2775 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 42.7392, 0.3840, 0.2775 by changing the saturation by 10% instead.





 42.7392, 0.3840,  
0.2775

 42.7392, 0.3840,  
0.2775


357.5381, 0.3483,  
0.3028

 29.6805, 0.3929,  
0.2713


 79.3172, 0.3711,  
0.2866

 19.5962, 0.4042,  
0.2635


 103.6052, 0.3662,  
0.2900

 12.1019, 0.4193,  
0.2533


 132.4053, 0.3621,  
0.2929

 6.8131, 0.4402,  
0.2394

166.1016, 0.3585,  
0.2955

 3.3455, 0.4709,  
0.2195

205.0787, 0.3555,  
0.2977

 1.3147, 0.5200,  
0.1888

249.7208, 0.3528,

 0.1525, 0.6727,

0.2996

0.0688

300.4125, 0.3504,  
0.3013

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.7392, 0.3840,  
0.2775

42.7392, 0.3840,  
0.2775

35.7291, 0.4082,  
0.2679

51.5304, 0.3632,  
0.2885

30.3694, 0.4355,  
0.2609

62.2087, 0.3456,  
0.3001

26.5215, 0.4648,  
0.2578

74.8792, 0.3311,  
0.3115

24.0208, 0.4946,  
0.2598

89.6375, 0.3191,  
0.3225

■ 22.6628, 0.5228,  
0.2672

99.9920, 0.3127,  
0.3290

■ 22.3342, 0.5329,  
0.2709

# Harmonies

## Analogous

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



42.7392, 0.3095, 0.2396



42.7392, 0.3840, 0.2775



42.7392, 0.4408, 0.3272

# Triad

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



42.7392, 0.3840, 0.2775



42.7392, 0.3721, 0.4615



42.7392, 0.1865, 0.2520

# Complementary

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



42.7392, 0.3840, 0.2775



81.2232, 0.2735, 0.3891

# 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.



42.7392, 0.1986, 0.3100



42.7392, 0.3840, 0.2775



42.7392, 0.3024, 0.4480

# Square

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



42.7392, 0.3840, 0.2775



42.7392, 0.4294, 0.4315



42.7392, 0.2392, 0.3867



42.7392, 0.2021, 0.2228



# Rectangle

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



42.7392, 0.3840, 0.2775



42.7392, 0.4566, 0.3633



42.7392, 0.2392, 0.3867



42.7392, 0.1874, 0.2683

# Sweetspot

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



42.7413, 0.3840, 0.2775



78.0444, 0.3282, 0.3140



37.9371, 0.2744, 0.2008



16.0605, 0.3310, 0.3116



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.



42.7413, 0.3840, 0.2775



35.8972, 0.4076, 0.2681



43.2795, 0.4356, 0.3375



18.1147, 0.3227, 0.3190



11.7029, 0.5287, 0.2686



1.1608, 0.4995, 0.2525



# Inverse Universe

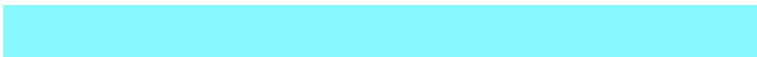
The Inverse Universe completely reimagines the original color for something new.



42.7413, 0.3840, 0.2775



35.8972, 0.4076, 0.2681



79.1194, 0.2492, 0.3198



18.1147, 0.3227, 0.3190



11.7029, 0.5287, 0.2686

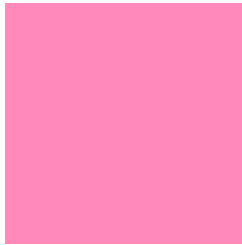


1.1608, 0.4995, 0.2525



# Previews

## White Background



This preview shows how the Yxy color 42.7392, 0.3840, 0.2775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

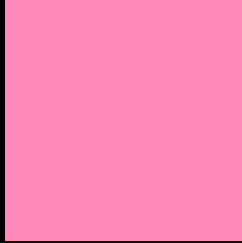
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.7392, 0.3840, 0.2775 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 42.7392, 0.3840, 0.2775**

## Background



This preview shows how black text looks on a background with the Yxy color 42.7392, 0.3840, 0.2775.



This preview shows how white text looks on a background with the Yxy color 42.7392, 0.3840, 0.2775.

# 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

42.7392, 0.3840, 0.2775

### Protanopia

43.1407, 0.2793, 0.2822

### Deuteranopia

42.9045, 0.3206, 0.3148



## Tritanopia

42.6735, 0.4154, 0.3176

# Trichromacy



## Original Color

42.7392, 0.3840, 0.2775



## Protanomaly

41.8961, 0.3123, 0.2787



## Deuteranomaly

42.0188, 0.3429, 0.2988



## Tritanomaly

42.6856, 0.4039, 0.3029

# Monochromacy



## Original Color

42.7392, 0.3840, 0.2775



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

42.6524, 0.3373, 0.3068

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.7392, 0.3840, 0.2775 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, 137, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 42.7392, 0.3840, 0.2775 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, 137, 187) }
```

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

```
.border{ border-color:rgb(255, 137, 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, 137, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 187); box-shadow:4px 4px 4px 4px rgb(255, 137, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.7392, 0.3840, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 187) }
```

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

```
.background{ background-color: rgb(255,  
137, 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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