

# Converting Colors

$Y_{xy}(38.4225, 0.4300, 0.3047)$

Have a look what the booklet for  
Yxy(38.4225, 0.4300, 0.3047)  
contains.

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# Color

**Yxy(38.3837, 0.4302, 0.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7E96
RGB	255, 126, 150
RGB Percent	100%, 49%, 59%
CMY	0.0000, 0.5059, 0.4116
CMYK	0.00, 0.51, 0.41, 0.00
HSL	349°, 100%, 75%
HSV	349°, 51%, 100%
XYZ	54.2110, 38.3837, 33.4188
YIQ	167.3070, 69.1800, 34.8120

# Conversions

## Conversions Part 2

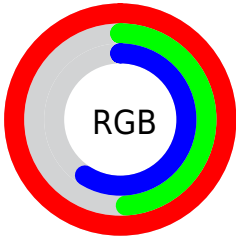
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 126, 150
Decimal	16744086
CIE <sub>Lab</sub>	68.30, 51.28, 10.44
CIE <sub>LCh</sub>	68, 52.334, 11.507
Yxy	38.3837, 0.4302, 0.3046
Android (android.graphics.Color)	4294934166 (0xFFFF7E96)
YUV	167.3070, -8.5324, 76.9068
Hunter-Lab	61.9546, 47.7691, 11.3867

# Details

The Yxy color **38.3837, 0.4302, 0.3046** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.7227, 0.2570, 0.3572**, and the grayscale version is **38.8177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0755, 0.3571, 0.3063**, and **17.0049, 0.4664, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **32.0622, 0.4686, 0.3016**, and if you desaturate by 10%, it is **46.4849, 0.3969, 0.3090**.

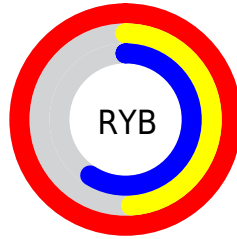
# Distribution



Red (100%)

Green (49%)

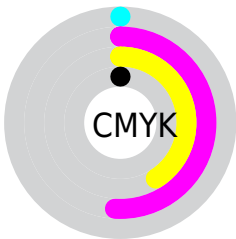
Blue (59%)



Red (100%)

Yellow (49%)

Blue (59%)

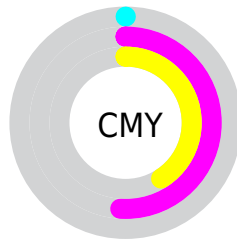


Cyan (0%)

Magenta (51%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (51%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3837, 0.4302, 0.3046 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 38.3837, 0.4302, 0.3046 by changing the saturation by 10% instead.





 38.3837, 0.4302,  
0.3046

 38.3837, 0.4302,  
0.3046

339.2631, 0.3693,  
0.3187

 26.2806, 0.4460,  
0.3005


 72.6959, 0.4076,  
0.3102

 17.0337, 0.4664,  
0.2949


 95.6738, 0.3993,  
0.3121

 10.2585, 0.4940,  
0.2869


 123.0454, 0.3922,  
0.3137

 5.5707, 0.5329,  
0.2747

155.1951, 0.3863,  
0.3150

 2.5858, 0.5909,  
0.2544

192.5073, 0.3811,  
0.3162

 0.9196, 0.7082,  
0.2254

235.3665, 0.3767,

 0.0000, 1.0000,

0.3171

0.0000


284.1569, 0.3727,  
0.3180

 0.0000, 0.0000,  
0.0000

 38.3837, 0.4302,  
0.3046


 38.3837, 0.4302,  
0.3046


 32.0622, 0.4686,  
0.3016


 46.4849, 0.3969,  
0.3090


 27.3856, 0.5106,  
0.3008


 56.4873, 0.3692,  
0.3140


 24.1993, 0.5525,  
0.3031

 68.5014, 0.3466,  
0.3191

 22.3188, 0.5891,  
0.3088

 82.6289, 0.3282,  
0.3241

 21.4694, 0.6149,  
0.3161

 98.9651, 0.3135,  
0.3287

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



38.3837, 0.3577, 0.2563



38.3837, 0.4302, 0.3046



38.3837, 0.4661, 0.3606

# Triad

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



38.3837, 0.4302, 0.3046



38.3837, 0.3306, 0.4700



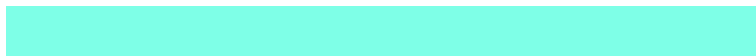
38.3837, 0.1854, 0.2245

# Complementary

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



38.3837, 0.4302, 0.3046



81.7227, 0.2570, 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.



38.3837, 0.1803, 0.2671



38.3837, 0.4302, 0.3046



38.3837, 0.2583, 0.4222

# Square

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



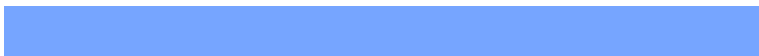
38.3837, 0.4302, 0.3046



38.3837, 0.4021, 0.4617



38.3837, 0.2046, 0.3398



38.3837, 0.2187, 0.2114



# Rectangle

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



38.3837, 0.4302, 0.3046



38.3837, 0.4626, 0.3987



38.3837, 0.2046, 0.3398



38.3837, 0.1806, 0.2352

# Sweetspot

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



38.3835, 0.4302, 0.3046



76.1321, 0.3358, 0.3219



38.8313, 0.2957, 0.1984



15.6626, 0.3397, 0.3209



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.



38.3835, 0.4302, 0.3046



31.8391, 0.4703, 0.3015



49.5672, 0.4352, 0.3694



18.0424, 0.3265, 0.3246



11.2340, 0.6115, 0.3142



1.1079, 0.5824, 0.2982



# Inverse Universe

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



38.3835, 0.4302, 0.3046



31.8391, 0.4703, 0.3015



60.9201, 0.2376, 0.2822



18.0424, 0.3265, 0.3246



11.2340, 0.6115, 0.3142



1.1079, 0.5824, 0.2982



# Previews

## White Background



This preview shows how the Yxy color 38.3837, 0.4302, 0.3046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

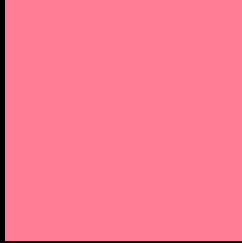
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.3837, 0.4302, 0.3046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

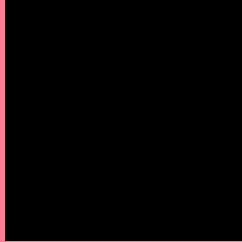
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.3837, 0.4302, 0.3046**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3837, 0.4302, 0.3046.



This preview shows how white text looks on a background with the Yxy color 38.3837, 0.4302, 0.3046.

# 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

38.3837, 0.4302, 0.3046

### Protanopia

38.5758, 0.3094, 0.3206

### Deuteranopia

38.5797, 0.3582, 0.3520



## Tritanopia

38.3153, 0.4437, 0.3201

# Trichromacy



## Original Color

38.3837, 0.4302, 0.3046

## Protanomaly

37.0929, 0.3501, 0.3123

## Deuteranomaly

37.5513, 0.3843, 0.3317

## Tritanomaly

38.2026, 0.4383, 0.3139

# Monochromacy



## Original Color

38.3837, 0.4302, 0.3046

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.1718, 0.3519, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3837, 0.4302, 0.3046 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, 126, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 150)  
}
```

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, 126, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3837, 0.4302, 0.3046 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, 126, 150) }
```

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

```
.border{ border-color:rgb(255, 126, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3837, 0.4302, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 150) }
```

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

```
.background{ background-color: rgb(255,  
126, 150) }
```

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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