

# Converting Colors

$Y_{xy}(39.8100, 0.3911, 0.2639)$

Have a look what the booklet for  
Yxy(39.8100, 0.3911, 0.2639)  
contains.

<b>Yxy(39.0568, 0.3864, 0.2629)</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(39.0568, 0.3864, 0.2629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7BBC
RGB	255, 123, 188
RGB Percent	100%, 48%, 74%
CMY	0.0000, 0.5177, 0.2627
CMYK	0.00, 0.52, 0.26, 0.00
HSL	330°, 100%, 74%
HSV	330°, 52%, 100%
XYZ	57.4041, 39.0568, 52.1005
YIQ	169.8780, 57.8070, 48.1990

# Conversions

## Conversions Part 2

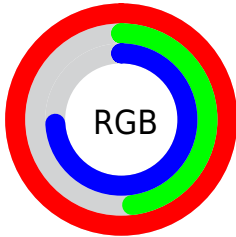
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 123, 188
Decimal	16743356
CIE Lab	68.79, 57.16, -10.24
CIE LCh	69, 58.066, 349.845
Yxy	39.0568, 0.3864, 0.2629
Android (android.graphics.Color)	4294933436 (0xFFFF7BBC)
YUV	169.8780, 8.9341, 74.6520
Hunter-Lab	62.4954, 54.5912, -5.6814

# Details

The Yxy color **39.0568, 0.3864, 0.2629** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.4475, 0.2745, 0.4097**, and the grayscale version is **40.0672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0319, 0.3246, 0.2644**, and **17.3657, 0.4068, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **32.9999, 0.4086, 0.2529**, and if you desaturate by 10%, it is **46.8113, 0.3668, 0.2750**.

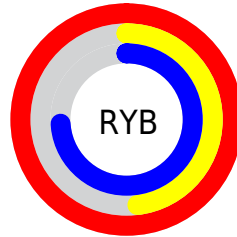
# Distribution



Red (100%)

Green (48%)

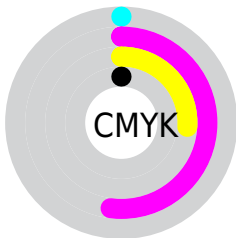
Blue (74%)



Red (100%)

Yellow (48%)

Blue (74%)

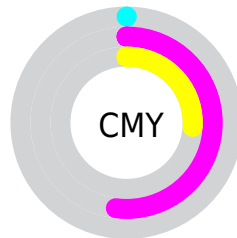


Cyan (0%)

Magenta (52%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0568, 0.3864, 0.2629 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 39.0568, 0.3864, 0.2629 by changing the saturation by 10% instead.





 39.0568, 0.3864,  
0.2629


 39.0568, 0.3864,  
0.2629


342.1319, 0.3494,  
0.2952


 26.8039, 0.3956,  
0.2551


 73.7251, 0.3730,  
0.2745

 17.4260, 0.4075,  
0.2452


 96.9093, 0.3679,  
0.2789

 10.5387, 0.4231,  
0.2324


 124.5060, 0.3636,  
0.2826

 5.7576, 0.4449,  
0.2150

156.8997, 0.3600,  
0.2858

 2.6982, 0.4769,  
0.1904

194.4748, 0.3568,  
0.2886

 0.9763, 0.5279,  
0.1536

237.6155, 0.3541,

 0.0000, 0.7022,

0.2911

0.0000

286.7065, 0.3516,  
0.2933

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

39.0568, 0.3864,  
0.2629

39.0568, 0.3864,  
0.2629

32.9999, 0.4086,  
0.2529

46.8113, 0.3668,  
0.2750

28.5080, 0.4329,  
0.2464

56.3809, 0.3500,  
0.2881

25.4294, 0.4583,  
0.2445

67.8732, 0.3358,  
0.3014

23.5813, 0.4835,  
0.2480

81.3870, 0.3240,  
0.3145

■ 22.7562, 0.5033,  
0.2546

■ 97.0145, 0.3143,  
0.3269

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.



39.0568, 0.2980, 0.2223



39.0568, 0.3864, 0.2629



39.0568, 0.4584, 0.3176

# Triad

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



39.0568, 0.3864, 0.2629



39.0568, 0.3883, 0.4825



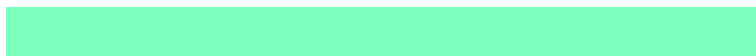
39.0568, 0.1677, 0.2440

# Complementary

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



39.0568, 0.3864, 0.2629



79.4475, 0.2745, 0.4097

# 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.



39.0568, 0.1841, 0.3148



39.0568, 0.3864, 0.2629



39.0568, 0.3080, 0.4778

# Square

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



39.0568, 0.3864, 0.2629



39.0568, 0.4532, 0.4389



39.0568, 0.2333, 0.4088



39.0568, 0.1817, 0.2082



# Rectangle

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



39.0568, 0.3864, 0.2629



39.0568, 0.4805, 0.3580



39.0568, 0.2333, 0.4088



39.0568, 0.1696, 0.2636

# Sweetspot

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



39.0569, 0.3864, 0.2629



75.4120, 0.3288, 0.3090



32.2039, 0.2610, 0.1822



15.5484, 0.3312, 0.3063



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.



39.0569, 0.3864, 0.2629



32.8773, 0.4091, 0.2527



36.8553, 0.4639, 0.3294



18.1363, 0.3217, 0.3173



11.9207, 0.4996, 0.2526



1.1827, 0.4737, 0.2383



# Inverse Universe

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



39.0569, 0.3864, 0.2629



32.8773, 0.4091, 0.2527



82.9508, 0.2457, 0.3288



18.1363, 0.3217, 0.3173



11.9207, 0.4996, 0.2526



1.1827, 0.4737, 0.2383



# Previews

## White Background



This preview shows how the Yxy color 39.0568, 0.3864, 0.2629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

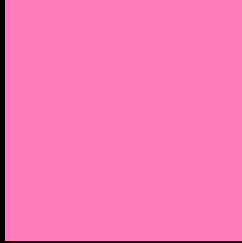
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0568, 0.3864, 0.2629 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 39.0568, 0.3864, 0.2629**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0568, 0.3864, 0.2629.



This preview shows how white text looks on a background with the Yxy color 39.0568, 0.3864, 0.2629.

# 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

39.0568, 0.3864, 0.2629

### Protanopia

39.2508, 0.2644, 0.2616

### Deuteranopia

39.1143, 0.3120, 0.3049



## Tritanopia

38.9648, 0.4330, 0.3188

# Trichromacy



## Original Color

39.0568, 0.3864, 0.2629



## Protanomaly

37.3453, 0.3019, 0.2590



## Deuteranomaly

37.9059, 0.3377, 0.2846



## Tritanomaly

38.8992, 0.4154, 0.2978

# Monochromacy



## Original Color

39.0568, 0.3864, 0.2629



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

38.3743, 0.3378, 0.2986

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0568, 0.3864, 0.2629 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, 123, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 188)  
}
```

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, 123, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0568, 0.3864, 0.2629 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, 123, 188) }
```

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

```
.border{ border-color:rgb(255, 123, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0568, 0.3864, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 188) }
```

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

```
.background{ background-color: rgb(255,  
123, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor