

Converting Colors

$Y_{xy}(44.4299, 0.3908, 0.2490)$

Have a look what the booklet for
Yxy(44.4299, 0.3908, 0.2490)
contains.

Yxy(39.0077, 0.3649, 0.2403)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0077, 0.3649, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	FF77D0
RGB	255, 119, 208
RGB Percent	100%, 47%, 82%
CMY	0.0000, 0.5334, 0.1843
CMYK	0.00, 0.53, 0.18, 0.00
HSL	321°, 100%, 73%
HSV	321°, 53%, 100%
XYZ	59.2339, 39.0077, 64.0876
YIQ	169.8100, 52.4870, 56.5110

Conversions

Conversions Part 2

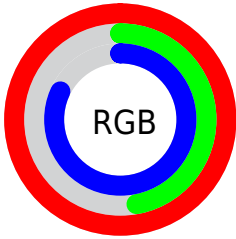
Format	Color
R _Y B	255, 119, 208
Decimal	16742352
CIE _{Lab}	68.76, 61.75, -21.48
CIE _{LCh}	69, 65.382, 340.822
Y _{xy}	39.0077, 0.3649, 0.2403
Android (android.graphics.Color)	4294932432 (0xFFFF77D0)
Y _{UV}	169.8100, 18.8277, 74.7116
Hunter-Lab	62.4561, 59.9926, -17.1194

Details

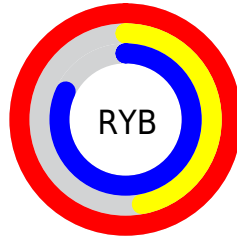
The Yxy color **39.0077, 0.3649, 0.2403** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.1919, 0.2840, 0.4419**, and the grayscale version is **39.9754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.3473, 0.3784, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **33.3049, 0.3791, 0.2274**, and if you desaturate by 10%, it is **46.3504, 0.3519, 0.2557**.

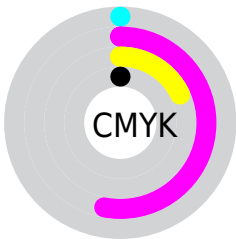
Distribution



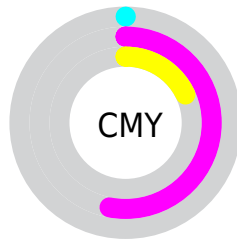
- Red (100%)
- Green (47%)
- Blue (82%)



- Red (100%)
- Yellow (47%)
- Blue (82%)



- Cyan (0%)
- Magenta (53%)
- Yellow (18%)
- Black (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0077, 0.3649, 0.2403 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 39.0077, 0.3649, 0.2403 by changing the saturation by 10% instead.

 39.0077, 0.3649,
0.2403


 39.0077, 0.3649,
0.2403


341.9232, 0.3398,
0.2823


 26.7657, 0.3708,
0.2306


 73.6501, 0.3560,
0.2550

 17.3973, 0.3782,
0.2185


 96.8193, 0.3526,
0.2607

 10.5182, 0.3878,
0.2031


 124.3997, 0.3497,
0.2656

 5.7439, 0.4004,
0.1831

156.7756, 0.3472,
0.2698

 2.6900, 0.4179,
0.1561

194.3316, 0.3450,
0.2735

 0.9721, 0.4432,
0.1185

237.4519, 0.3431,

 0.0000, 0.5159,

0.2768

0.0000

286.5210, 0.3414,
0.2797

■ 0.0000, 0.6892,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.0077, 0.3649,
0.2403

■ 39.0077, 0.3649,
0.2403

■ 33.3049, 0.3791,
0.2274

■ 46.3504, 0.3519,
0.2557

■ 29.1258, 0.3942,
0.2181

■ 55.4699, 0.3405,
0.2726

■ 26.3099, 0.4096,
0.2135

■ 66.4682, 0.3305,
0.2899

■ 24.6684, 0.4249,
0.2141

■ 79.4446, 0.3220,
0.3071

■ 24.0467, 0.4348,
0.2169

■ 94.4914, 0.3149,
0.3237

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.



39.0077, 0.2684, 0.2026



39.0077, 0.3649, 0.2403



39.0077, 0.4568, 0.2957

Triad

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



39.0077, 0.3649, 0.2403



39.0077, 0.4185, 0.4879



39.0077, 0.1549, 0.2522

Complementary

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



39.0077, 0.3649, 0.2403



78.1919, 0.2840, 0.4419

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.



39.0077, 0.1823, 0.3426



39.0077, 0.3649, 0.2403



39.0077, 0.3323, 0.5078

Square

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



39.0077, 0.3649, 0.2403



39.0077, 0.4826, 0.4278



39.0077, 0.2455, 0.4502



39.0077, 0.1608, 0.2030

Rectangle

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



39.0077, 0.3649, 0.2403



39.0077, 0.4934, 0.3381



39.0077, 0.2455, 0.4502



39.0077, 0.1601, 0.2779

Sweetspot

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



39.0018, 0.3649, 0.2403



75.7997, 0.3242, 0.3026



28.3334, 0.2406, 0.1704



15.6409, 0.3259, 0.2991



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.



39.0018, 0.3649, 0.2403



32.9857, 0.3800, 0.2266



36.3896, 0.4436, 0.3064



18.1875, 0.3191, 0.3136



12.5942, 0.4324, 0.2156



1.2468, 0.4164, 0.2067

Inverse Universe

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



39.0018, 0.3649, 0.2403



32.9857, 0.3800, 0.2266



81.2849, 0.2537, 0.3558



18.1875, 0.3191, 0.3136



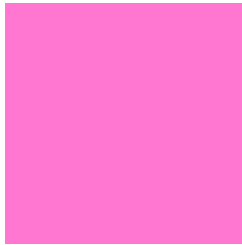
12.5942, 0.4324, 0.2156



1.2468, 0.4164, 0.2067

Previews

White Background



This preview shows how the Yxy color 39.0077, 0.3649, 0.2403 looks on a white background.

Color Contrast Check

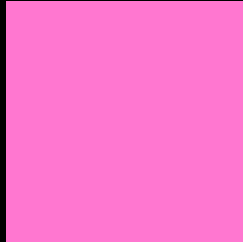
Large Text (above 18pt) WCAG AA × Fail

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 39.0077, 0.3649, 0.2403 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 39.0077, 0.3649, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 39.0077, 0.3649, 0.2403.



This preview shows how white text looks on a background with the Yxy color 39.0077, 0.3649, 0.2403.

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

39.0077, 0.3649, 0.2403

Protanopia

39.5229, 0.2411, 0.2325

Deuteranopia

39.0928, 0.2860, 0.2797



Tritanopia

38.8980, 0.4295, 0.3187

Trichromacy



Original Color

39.0077, 0.3649, 0.2403



Protanomaly

37.3984, 0.2767, 0.2310



Deuteranomaly

37.8188, 0.3121, 0.2605



Tritanomaly

38.7376, 0.4054, 0.2883

Monochromacy



Original Color

39.0077, 0.3649, 0.2403



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.0114, 0.3314, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0077, 0.3649, 0.2403 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, 119, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 208)  
}
```

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, 119, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 208) }
```

Border

The CSS property to change the border of an element to Yxy 39.0077, 0.3649, 0.2403 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, 119, 208) }
```

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

```
.border{ border-color:rgb(255, 119, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0077, 0.3649, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 208) }
```

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

```
.background{ background-color: rgb(255,  
119, 208) }
```

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