

Converting Colors

$Y_{xy}(39.2640, 0.3515, 0.2275)$

Have a look what the booklet for
Yxy(39.2640, 0.3515, 0.2275)
contains.

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Color

Yxy(39.2030, 0.3513, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	FF75DD
RGB	255, 117, 221
RGB Percent	100%, 46%, 87%
CMY	0.0001, 0.5410, 0.1333
CMYK	0.00, 0.54, 0.13, 0.00
HSL	315°, 100%, 73%
HSV	315°, 54%, 100%
XYZ	60.6429, 39.2030, 72.7784
YIQ	170.1180, 48.8640, 61.6000

Conversions

Conversions Part 2

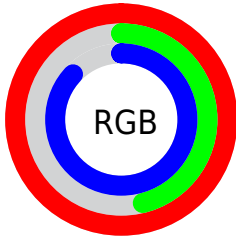
Format	Color
R _{YB}	255, 117, 221
Decimal	16741853
CIE _{Lab}	68.90, 64.50, -28.49
CIE _{LCh}	69, 70.517, 336.169
Yxy	39.2030, 0.3513, 0.2271
Android (android.graphics.Color)	4294931933 (0xFFFF75DD)
YUV	170.1180, 25.0848, 74.4415
Hunter-Lab	62.6123, 63.3141, -25.0881

Details

The Yxy color **39.2030, 0.3513, 0.2271** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5168, 0.2900, 0.4618**, and the grayscale version is **40.1196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **17.4832, 0.3588, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **33.7202, 0.3610, 0.2127**, and if you desaturate by 10%, it is **46.3197, 0.3422, 0.2443**.

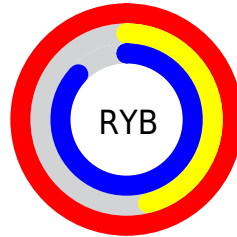
Distribution



Red (100%)

Green (46%)

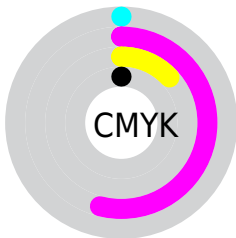
Blue (87%)



Red (100%)

Yellow (46%)

Blue (87%)

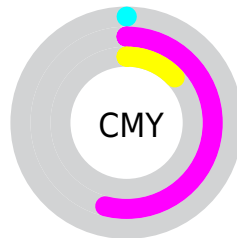


Cyan (0%)

Magenta (54%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2030, 0.3513, 0.2271 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 39.2030, 0.3513, 0.2271 by changing the saturation by 10% instead.


 39.2030, 0.3513,
0.2271


 39.2030, 0.3513,
0.2271

342.7528, 0.3337,
0.2745


 26.9177, 0.3552,
0.2164


 73.9483, 0.3453,
0.2435

 17.5114, 0.3599,
0.2032


 97.1771, 0.3429,
0.2499

 10.5998, 0.3657,
0.1867


 124.8226, 0.3409,
0.2554

 5.7984, 0.3729,
0.1655

157.2690, 0.3391,
0.2602

 2.7229, 0.3821,
0.1378

194.9008, 0.3375,
0.2644

 0.9888, 0.3934,
0.1009

238.1025, 0.3361,

 0.0000, 0.4283,

0.2682

0.0000

287.2583, 0.3349,
0.2715

0.0000, 0.3834,
0.0000

0.0000, 0.0000,
0.0000

39.2030, 0.3513,
0.2271

39.2030, 0.3513,
0.2271

33.7202, 0.3610,
0.2127

46.3197, 0.3422,
0.2443

29.7309, 0.3711,
0.2020

55.1844, 0.3340,
0.2632


27.0803, 0.3812,
0.1960

65.9075, 0.3266,
0.2828

25.5770, 0.3910,
0.1948

78.5886, 0.3202,
0.3024

 25.0674, 0.3967,
0.1959

 93.3203, 0.3147,
0.3215

99.9935, 0.3127,
0.3290

Harmonies

Analogous

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



39.2030, 0.2510, 0.1912



39.2030, 0.3513, 0.2271



39.2030, 0.4547, 0.2828

Triad

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



39.2030, 0.3513, 0.2271



39.2030, 0.4361, 0.4886



39.2030, 0.1475, 0.2578

Complementary

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



39.2030, 0.3513, 0.2271



77.5168, 0.2900, 0.4618

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.



39.2030, 0.1814, 0.3611



39.2030, 0.3513, 0.2271



39.2030, 0.3464, 0.5235

Square

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



39.2030, 0.3513, 0.2271



39.2030, 0.4999, 0.4200



39.2030, 0.2530, 0.4762



39.2030, 0.1490, 0.2000

Rectangle

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



39.2030, 0.3513, 0.2271



39.2030, 0.5003, 0.3262



39.2030, 0.2530, 0.4762



39.2030, 0.1546, 0.2875

Sweetspot

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



39.2049, 0.3513, 0.2271



76.0442, 0.3214, 0.2987



26.3588, 0.2289, 0.1638



15.6994, 0.3226, 0.2947



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.



39.2049, 0.3513, 0.2271



33.3110, 0.3619, 0.2115



36.3113, 0.4293, 0.2919



18.2194, 0.3176, 0.3113



13.1272, 0.3952, 0.1950



1.2955, 0.3848, 0.1894

Inverse Universe

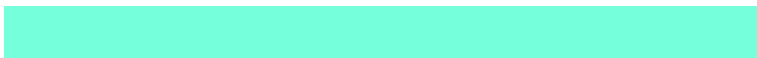
The Inverse Universe completely reimagines the original color for something new.



39.2049, 0.3513, 0.2271



33.3110, 0.3619, 0.2115



80.3540, 0.2592, 0.3735



18.2194, 0.3176, 0.3113



13.1272, 0.3952, 0.1950



1.2955, 0.3848, 0.1894

Previews

White Background



This preview shows how the Yxy color 39.2030, 0.3513, 0.2271 looks on a white background.

Color Contrast Check

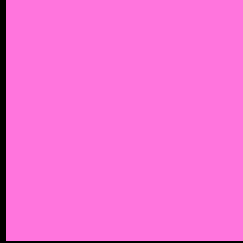
Large Text (above 18pt) WCAG AA × Fail

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 39.2030, 0.3513, 0.2271 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 39.2030, 0.3513, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 39.2030, 0.3513, 0.2271.



This preview shows how white text looks on a background with the Yxy color 39.2030, 0.3513, 0.2271.

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

39.2030, 0.3513, 0.2271

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.3957, 0.2724, 0.2658



Tritanopia

39.1464, 0.4243, 0.3186

Trichromacy



Original Color

39.2030, 0.3513, 0.2271



Protanomaly

37.3542, 0.2642, 0.2165



Deuteranomaly

37.8734, 0.2981, 0.2468



Tritanomaly

38.7795, 0.3974, 0.2818

Monochromacy



Original Color

39.2030, 0.3513, 0.2271



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.2248, 0.3266, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2030, 0.3513, 0.2271 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, 117, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 221)  
}
```

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, 117, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 221) }
```

Border

The CSS property to change the border of an element to Yxy 39.2030, 0.3513, 0.2271 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, 117, 221) }
```

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

```
.border{ border-color:rgb(255, 117, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2030, 0.3513, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 221) }
```

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

```
.background{ background-color: rgb(255,  
117, 221) }
```

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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