

Converting Colors

Yxy(53.4468, 0.4012, 0.2447)

Have a look what the booklet for
Yxy(53.4468, 0.4012, 0.2447)
contains.

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Color

Yxy(39.9446, 0.3460, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	FF77E2
RGB	255, 119, 226
RGB Percent	100%, 47%, 89%
CMY	0.0000, 0.5333, 0.1137
CMYK	0.00, 0.53, 0.11, 0.00
HSL	313°, 100%, 73%
HSV	313°, 53%, 100%
XYZ	61.5627, 39.9446, 76.4196
YIQ	171.8620, 46.7090, 62.1090

Conversions

Conversions Part 2

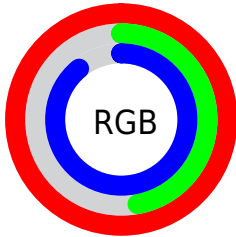
Format	Color
R _Y B	255, 119, 226
Decimal	16742370
CIE Lab	69.43, 64.38, -30.44
CIE LCh	69, 71.213, 334.690
Yxy	39.9446, 0.3460, 0.2245
Android (android.graphics.Color)	4294932450 (0xFFFF77E2)
YUV	171.8620, 26.6900, 72.9120
Hunter-Lab	63.2017, 63.2679, -27.4486

Details

The Yxy color **39.9446, 0.3460, 0.2245** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5770, 0.2922, 0.4653**, and the grayscale version is **41.0287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.9755, 0.3541, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **34.3752, 0.3543, 0.2093**, and if you desaturate by 10%, it is **47.1550, 0.3382, 0.2425**.

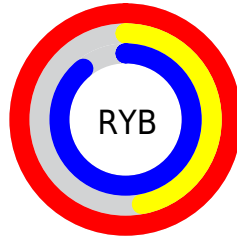
Distribution



Red (100%)

Green (47%)

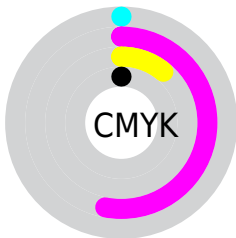
Blue (89%)



Red (100%)

Yellow (47%)

Blue (89%)

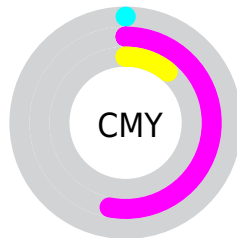


Cyan (0%)

Magenta (53%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9446, 0.3460, 0.2245 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 39.9446, 0.3460, 0.2245 by changing the saturation by 10% instead.


 39.9446, 0.3460,
0.2245


 39.9446, 0.3460,
0.2245


345.8900, 0.3313,
0.2728


 27.4954, 0.3491,
0.2136


 75.0791, 0.3411,
0.2411

 17.9456, 0.3529,
0.2004


 98.5332, 0.3391,
0.2476

 10.9109, 0.3574,
0.1838


 126.4244, 0.3374,
0.2533

 6.0070, 0.3628,
0.1627

159.1370, 0.3358,
0.2582

 2.8493, 0.3693,
0.1353

197.0555, 0.3345,
0.2625

 1.0536, 0.3765,
0.0990

240.5642, 0.3333,

 0.0000, 0.4029,

0.2663

0.0000

290.0476, 0.3322,
0.2697

0.0000, 0.3497,
0.0000

0.0000, 0.0000,
0.0000

39.9446, 0.3460,
0.2245

39.9446, 0.3460,
0.2245

34.3752, 0.3543,
0.2093

47.1550, 0.3382,
0.2425

30.3077, 0.3629,
0.1978


56.1194, 0.3310,
0.2621


27.5894, 0.3714,
0.1909

66.9475, 0.3246,
0.2825

26.0323, 0.3796,
0.1887

79.7383, 0.3190,
0.3028

 25.4586, 0.3849,
0.1894

 94.5838, 0.3142,
0.3226

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



39.9446, 0.2466, 0.1897



39.9446, 0.3460, 0.2245



39.9446, 0.4508, 0.2795

Triad

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



39.9446, 0.3460, 0.2245



39.9446, 0.4404, 0.4860



39.9446, 0.1479, 0.2616

Complementary

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



39.9446, 0.3460, 0.2245



77.5770, 0.2922, 0.4653

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.



39.9446, 0.1836, 0.3672



39.9446, 0.3460, 0.2245



39.9446, 0.3511, 0.5241

Square

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



39.9446, 0.3460, 0.2245



39.9446, 0.5025, 0.4166



39.9446, 0.2570, 0.4813



39.9446, 0.1478, 0.2014

Rectangle

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



39.9446, 0.3460, 0.2245



39.9446, 0.4986, 0.3228



39.9446, 0.2570, 0.4813



39.9446, 0.1555, 0.2921

Sweetspot

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



39.9465, 0.3460, 0.2245



76.1268, 0.3204, 0.2974



26.5461, 0.2271, 0.1650



15.7193, 0.3216, 0.2932



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.



39.9465, 0.3460, 0.2245



34.0580, 0.3549, 0.2084



36.9865, 0.4212, 0.2876



18.2301, 0.3171, 0.3105



13.3263, 0.3836, 0.1887



1.3133, 0.3750, 0.1840

Inverse Universe

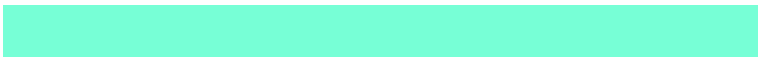
The Inverse Universe completely reimagines the original color for something new.



39.9465, 0.3460, 0.2245



34.0580, 0.3549, 0.2084



80.3041, 0.2617, 0.3785



18.2301, 0.3171, 0.3105



13.3263, 0.3836, 0.1887



1.3133, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 39.9446, 0.3460, 0.2245 looks on a white background.

Color Contrast Check

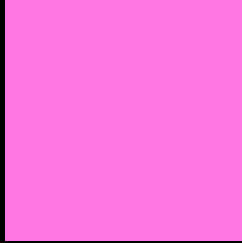
Large Text (above 18pt) WCAG AA × Fail

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 39.9446, 0.3460, 0.2245 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 39.9446, 0.3460, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 39.9446, 0.3460, 0.2245.



This preview shows how white text looks on a background with the Yxy color 39.9446, 0.3460, 0.2245.

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

39.9446, 0.3460, 0.2245

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.2765, 0.2684, 0.2626



Tritanopia

39.7721, 0.4211, 0.3186

Trichromacy



Original Color

39.9446, 0.3460, 0.2245



Protanomaly

38.1681, 0.2646, 0.2181



Deuteranomaly

38.6353, 0.2931, 0.2437



Tritanomaly

39.4238, 0.3934, 0.2807

Monochromacy



Original Color

39.9446, 0.3460, 0.2245



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.1448, 0.3246, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9446, 0.3460, 0.2245 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 226) }
```

Border

The CSS property to change the border of an element to Yxy 39.9446, 0.3460, 0.2245 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, 226) }
```

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

```
.border{ border-color:rgb(255, 119, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 119, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 119, 226); box-shadow:4px 4px 4px 4px rgb(255, 119, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9446, 0.3460, 0.2245 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
119, 226) }
```

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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