

Converting Colors

$Y_{xy}(45.3188, 0.3739, 0.2320)$

Have a look what the booklet for
Yxy(45.3188, 0.3739, 0.2320)
contains.

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Color

Yxy(39.2418, 0.3463, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	FF74E2
RGB	255, 116, 226
RGB Percent	100%, 45%, 89%
CMY	0.0000, 0.5451, 0.1137
CMYK	0.00, 0.55, 0.11, 0.00
HSL	313°, 100%, 73%
HSV	313°, 55%, 100%
XYZ	61.2137, 39.2418, 76.3094
YIQ	170.1010, 47.5340, 63.6780

Conversions

Conversions Part 2

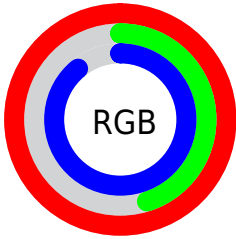
Format	Color
R _Y B	255, 116, 226
Decimal	16741602
CIE _{Lab}	68.93, 65.73, -31.23
CIE _{LCh}	69, 72.771, 334.588
Yxy	39.2418, 0.3463, 0.2220
Android (android.graphics.Color)	4294931682 (0xFFFF74E2)
YUV	170.1010, 27.5582, 74.4564
Hunter-Lab	62.6433, 64.8007, -28.3743

Details

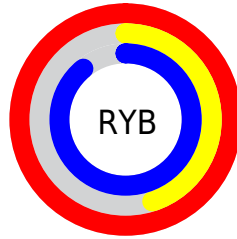
The Yxy color **39.2418, 0.3463, 0.2220** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2765, 0.2922, 0.4697**, and the grayscale version is **40.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **17.4306, 0.3532, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **33.8620, 0.3545, 0.2071**, and if you desaturate by 10%, it is **46.2473, 0.3386, 0.2398**.

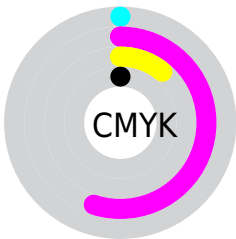
Distribution



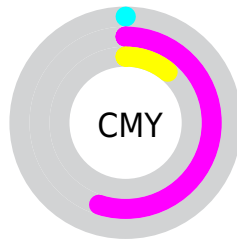
- Red (100%)
- Green (45%)
- Blue (89%)



- Red (100%)
- Yellow (45%)
- Blue (89%)



- Cyan (0%)
- Magenta (55%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2418, 0.3463, 0.2220 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 39.2418, 0.3463, 0.2220 by changing the saturation by 10% instead.


 39.2418, 0.3463,
0.2220


 39.2418, 0.3463,
0.2220


342.9174, 0.3315,
0.2714


 26.9479, 0.3494,
0.2109


 74.0076, 0.3413,
0.2390

 17.5341, 0.3532,
0.1973


 97.2482, 0.3394,
0.2457

 10.6160, 0.3577,
0.1804


 124.9065, 0.3376,
0.2514

 5.8093, 0.3630,
0.1589

157.3669, 0.3361,
0.2565

 2.7294, 0.3693,
0.1310

195.0139, 0.3347,
0.2609

 0.9922, 0.3760,
0.0945

238.2316, 0.3335,

 0.0000, 0.3994,

0.2648

0.0000

287.4047, 0.3324,
0.2683

■ 0.0000, 0.3412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2418, 0.3463,
0.2220

■ 39.2418, 0.3463,
0.2220

■ 33.8620, 0.3545,
0.2071

■ 46.2473, 0.3386,
0.2398

■ 29.9669, 0.3628,
0.1961


■ 54.9932, 0.3315,
0.2593

■ 27.4005, 0.3711,
0.1896

■ 65.5902, 0.3251,
0.2798

■ 25.9694, 0.3790,
0.1879

■ 78.1383, 0.3195,
0.3003

 25.5156, 0.3833,
0.1885

 92.7302, 0.3147,
0.3203

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



39.2418, 0.2445, 0.1867



39.2418, 0.3463, 0.2220



39.2418, 0.4543, 0.2779

Triad

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



39.2418, 0.3463, 0.2220



39.2418, 0.4428, 0.4888



39.2418, 0.1444, 0.2597

Complementary

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



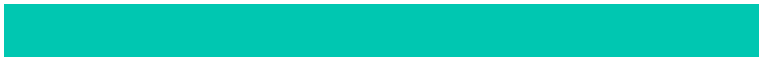
39.2418, 0.3463, 0.2220



77.2765, 0.2922, 0.4697

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.



39.2418, 0.1806, 0.3685



39.2418, 0.3463, 0.2220



39.2418, 0.3515, 0.5296

Square

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



39.2418, 0.3463, 0.2220



39.2418, 0.5068, 0.4171



39.2418, 0.2554, 0.4866



39.2418, 0.1443, 0.1984

Rectangle

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



39.2418, 0.3463, 0.2220



39.2418, 0.5034, 0.3217



39.2418, 0.2554, 0.4866



39.2418, 0.1521, 0.2910

Sweetspot

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



39.2437, 0.3463, 0.2220



76.1385, 0.3203, 0.2973



25.6238, 0.2248, 0.1611



15.7221, 0.3214, 0.2930



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.



39.2437, 0.3463, 0.2220



33.6369, 0.3549, 0.2065



36.2103, 0.4249, 0.2869



18.2317, 0.3170, 0.3104



13.3552, 0.3821, 0.1878



1.3159, 0.3737, 0.1832

Inverse Universe

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



39.2437, 0.3463, 0.2220



33.6369, 0.3549, 0.2065



80.0519, 0.2610, 0.3798



18.2317, 0.3170, 0.3104



13.3552, 0.3821, 0.1878



1.3159, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 39.2418, 0.3463, 0.2220 looks on a white background.

Color Contrast Check

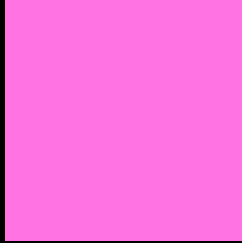
Large Text (above 18pt) WCAG AA × Fail

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 39.2418, 0.3463, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

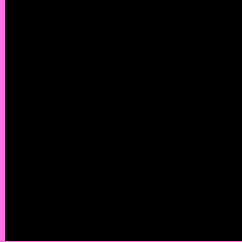
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2418, 0.3463, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 39.2418, 0.3463, 0.2220.

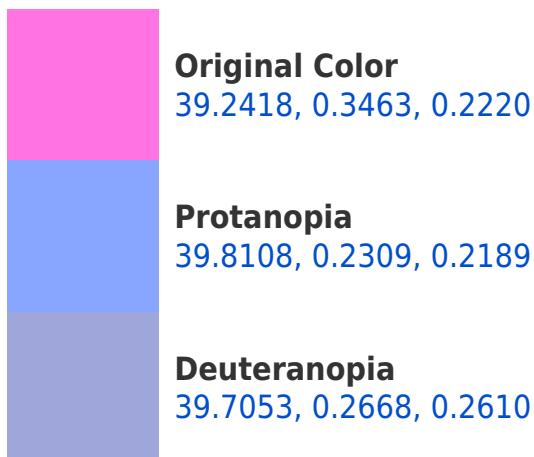


This preview shows how white text looks on a background with the Yxy color 39.2418, 0.3463, 0.2220.

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





Tritanopia

38.9651, 0.4233, 0.3185

Trichromacy



Original Color

39.2418, 0.3463, 0.2220



Protanomaly

37.4148, 0.2636, 0.2156



Deuteranomaly

37.8696, 0.2922, 0.2411



Tritanomaly

38.6341, 0.3953, 0.2806

Monochromacy



Original Color

39.2418, 0.3463, 0.2220



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

37.9479, 0.3258, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2418, 0.3463, 0.2220 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, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 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, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 226) }
```

Border

The CSS property to change the border of an element to Yxy 39.2418, 0.3463, 0.2220 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, 116, 226) }
```

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

```
.border{ border-color:rgb(255, 116, 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, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2418, 0.3463, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 226) }
```

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

```
.background{ background-color: rgb(255,  
116, 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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