

Converting Colors

$Y_{xy}(45.4041, 0.4010, 0.2523)$

Have a look what the booklet for
Yxy(45.4041, 0.4010, 0.2523)
contains.

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Color

Yxy(38.3422, 0.3696, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	FF75CC
RGB	255, 117, 204
RGB Percent	100%, 46%, 80%
CMY	0.0000, 0.5413, 0.1999
CMYK	0.00, 0.54, 0.20, 0.00
HSL	322°, 100%, 73%
HSV	322°, 54%, 100%
XYZ	58.5106, 38.3422, 61.4552
YIQ	168.1800, 54.3210, 56.3130

Conversions

Conversions Part 2

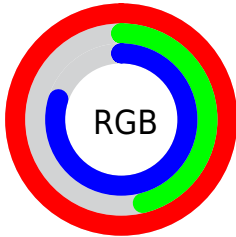
Format	Color
R _Y B	255, 117, 204
Decimal	16741836
CIE _{Lab}	68.27, 62.10, -19.99
CIE _{LCh}	68, 65.235, 342.159
Yxy	38.3422, 0.3696, 0.2422
Android (android.graphics.Color)	4294931916 (0xFFFF75CC)
YUV	168.1800, 17.6593, 76.1411
Hunter-Lab	61.9211, 60.3068, -15.4991

Details

The Yxy color **38.3422, 0.3696, 0.2422** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.1260, 0.2822, 0.4395**, and the grayscale version is **39.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **16.9320, 0.3837, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **32.7463, 0.3850, 0.2300**, and if you desaturate by 10%, it is **45.5750, 0.3555, 0.2570**.

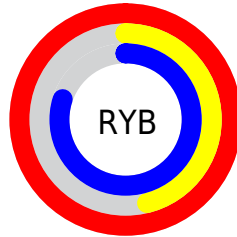
Distribution



Red (100%)

Green (46%)

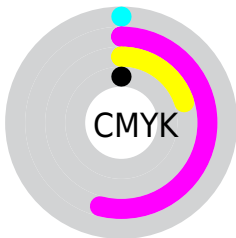
Blue (80%)



Red (100%)

Yellow (46%)

Blue (80%)

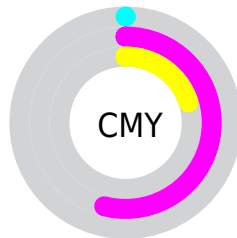


Cyan (0%)

Magenta (54%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3422, 0.3696, 0.2422 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 38.3422, 0.3696, 0.2422 by changing the saturation by 10% instead.

 38.3422, 0.3696,
0.2422


 38.3422, 0.3696,
0.2422


339.0856, 0.3420,
0.2835


 26.2484, 0.3762,
0.2325

 72.6323, 0.3598,
0.2567

 17.0096, 0.3845,
0.2205


 95.5975, 0.3560,
0.2623

 10.2413, 0.3953,
0.2052


 122.9551, 0.3528,
0.2671

 5.5592, 0.4098,
0.1852

155.0897, 0.3501,
0.2713

 2.5790, 0.4300,
0.1579

192.3857, 0.3476,
0.2749

 0.9161, 0.4601,
0.1196

235.2274, 0.3455,

 0.0000, 0.5434,

0.2781

0.0000

283.9993, 0.3437,
0.2810

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3422, 0.3696,
0.2422

■ 38.3422, 0.3696,
0.2422

■ 32.7463, 0.3850,
0.2300

■ 45.5750, 0.3555,
0.2570

■ 28.6643, 0.4015,
0.2215


■ 54.5772, 0.3431,
0.2732


■ 25.9352, 0.4184,
0.2178

■ 65.4536, 0.3324,
0.2900

■ 24.3668, 0.4350,
0.2193

■ 78.3041, 0.3232,
0.3066

 23.8265, 0.4446,
0.2223

 93.2217, 0.3155,
0.3226

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.



38.3422, 0.2721, 0.2034



38.3422, 0.3696, 0.2422



38.3422, 0.4606, 0.2983

Triad

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



38.3422, 0.3696, 0.2422



38.3422, 0.4152, 0.4904



38.3422, 0.1541, 0.2488

Complementary

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



38.3422, 0.3696, 0.2422



78.1260, 0.2822, 0.4395

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.



38.3422, 0.1799, 0.3378



38.3422, 0.3696, 0.2422



38.3422, 0.3282, 0.5076

Square

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



38.3422, 0.3696, 0.2422



38.3422, 0.4810, 0.4309



38.3422, 0.2418, 0.4464



38.3422, 0.1614, 0.2013

Rectangle

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



38.3422, 0.3696, 0.2422



38.3422, 0.4955, 0.3409



38.3422, 0.2418, 0.4464



38.3422, 0.1588, 0.2739

Sweetspot

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



38.3380, 0.3696, 0.2422



75.7415, 0.3248, 0.3035



28.2170, 0.2429, 0.1694



15.6270, 0.3267, 0.3001



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.



38.3380, 0.3696, 0.2422



32.3315, 0.3864, 0.2291



35.7375, 0.4523, 0.3109



18.1799, 0.3195, 0.3141



12.4797, 0.4420, 0.2208



1.2362, 0.4244, 0.2112

Inverse Universe

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



38.3380, 0.3696, 0.2422



32.3315, 0.3864, 0.2291



81.3913, 0.2512, 0.3506



18.1799, 0.3195, 0.3141



12.4797, 0.4420, 0.2208



1.2362, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 38.3422, 0.3696, 0.2422 looks on a white background.

Color Contrast Check

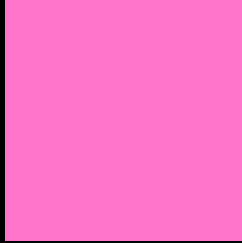
Large Text (above 18pt) WCAG AA × Fail

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 38.3422, 0.3696, 0.2422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

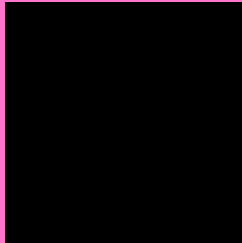
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3422, 0.3696, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 38.3422, 0.3696, 0.2422.



This preview shows how white text looks on a background with the Yxy color 38.3422, 0.3696, 0.2422.

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

38.3422, 0.3696, 0.2422

Protanopia

38.6226, 0.2424, 0.2329

Deuteranopia

38.6606, 0.2899, 0.2834



Tritanopia

38.2658, 0.4339, 0.3198

Trichromacy



Original Color

38.3422, 0.3696, 0.2422



Protanomaly

36.5488, 0.2795, 0.2325



Deuteranomaly

37.0073, 0.3158, 0.2625



Tritanomaly

38.0753, 0.4108, 0.2904

Monochromacy



Original Color

38.3422, 0.3696, 0.2422



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.1104, 0.3336, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3422, 0.3696, 0.2422 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.3422, 0.3696, 0.2422 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, 204) }
```

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

```
.border{ border-color:rgb(255, 117, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3422, 0.3696, 0.2422 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
117, 204) }
```

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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