

Converting Colors

Yxy(38.5374, 0.3667, 0.2402)

Have a look what the booklet for
Yxy(38.5374, 0.3667, 0.2402)
contains.

Yxy(38.4876, 0.3663, 0.2395)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4876, 0.3663, 0.2395)

Conversions

Conversions Part 1

Format	Color
Hex	FF75CF
RGB	255, 117, 207
RGB Percent	100%, 46%, 81%
CMY	0.0000, 0.5412, 0.1883
CMYK	0.00, 0.54, 0.19, 0.00
HSL	321°, 100%, 73%
HSV	321°, 54%, 100%
XYZ	58.8643, 38.4876, 63.3479
YIQ	168.5220, 53.3580, 57.2460

Conversions

Conversions Part 2

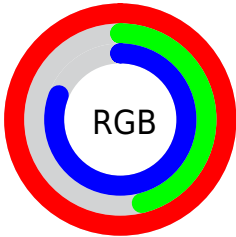
Format	Color
R_{YB}	255, 117, 207
Decimal	16741839
CIE _{Lab}	68.38, 62.49, -21.48
CIE _{LCh}	68, 66.084, 341.029
Yxy	38.4876, 0.3663, 0.2395
Android (android.graphics.Color)	4294931919 (0xFFFF75CF)
YUV	168.5220, 18.9697, 75.8412
Hunter-Lab	62.0384, 60.8003, -17.1146

Details

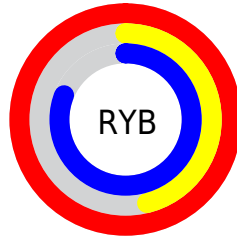
The Yxy color **38.4876, 0.3663, 0.2395** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.0195, 0.2836, 0.4434**, and the grayscale version is **39.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **17.0299, 0.3789, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **32.9111, 0.3807, 0.2269**, and if you desaturate by 10%, it is **45.7070, 0.3532, 0.2547**.

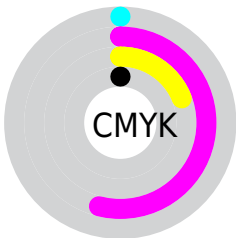
Distribution



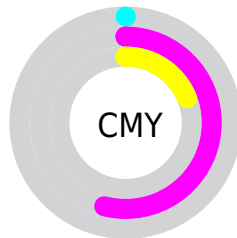
- Red (100%)
- Green (46%)
- Blue (81%)



- Red (100%)
- Yellow (46%)
- Blue (81%)



- Cyan (0%)
- Magenta (54%)
- Yellow (19%)
- Black (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4876, 0.3663, 0.2395 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 38.4876, 0.3663, 0.2395 by changing the saturation by 10% instead.

 38.4876, 0.3663,
0.2395

 38.4876, 0.3663,
0.2395


339.7070, 0.3405,
0.2819

 26.3613, 0.3724,
0.2296


 72.8549, 0.3572,
0.2544

 17.0942, 0.3801,
0.2174


 95.8647, 0.3537,
0.2601

 10.3016, 0.3899,
0.2019


 123.2712, 0.3507,
0.2650

 5.5994, 0.4030,
0.1816

155.4587, 0.3481,
0.2693

 2.6031, 0.4212,
0.1542

192.8116, 0.3458,
0.2731

 0.9282, 0.4476,
0.1161

235.7144, 0.3438,

 0.0000, 0.5209,

0.2764

0.0000

284.5514, 0.3421,
0.2793

■ 0.0000, 0.7497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4876, 0.3663,
0.2395

■ 38.4876, 0.3663,
0.2395

■ 32.9111, 0.3807,
0.2269

■ 45.7070, 0.3532,
0.2547

■ 28.8415, 0.3960,
0.2180


■ 54.6885, 0.3415,
0.2715

■ 26.1221, 0.4116,
0.2138

■ 65.5411, 0.3314,
0.2887

■ 24.5610, 0.4270,
0.2149

■ 78.3648, 0.3227,
0.3059

 24.0232, 0.4358,
0.2174

 93.2524, 0.3154,
0.3224

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.



38.4876, 0.2683, 0.2013



38.4876, 0.3663, 0.2395



38.4876, 0.4595, 0.2955

Triad

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



38.4876, 0.3663, 0.2395



38.4876, 0.4190, 0.4902



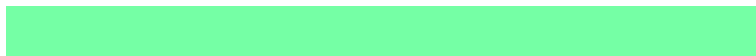
38.4876, 0.1530, 0.2504

Complementary

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



38.4876, 0.3663, 0.2395



78.0195, 0.2836, 0.4434

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.



38.4876, 0.1802, 0.3418



38.4876, 0.3663, 0.2395



38.4876, 0.3315, 0.5106

Square

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



38.4876, 0.3663, 0.2395



38.4876, 0.4843, 0.4290



38.4876, 0.2438, 0.4517



38.4876, 0.1592, 0.2011

Rectangle

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



38.4876, 0.3663, 0.2395



38.4876, 0.4963, 0.3383



38.4876, 0.2438, 0.4517



38.4876, 0.1581, 0.2763

Sweetspot

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



38.4879, 0.3663, 0.2395



75.7936, 0.3242, 0.3027



27.7305, 0.2393, 0.1679



15.6394, 0.3260, 0.2992



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.



38.4879, 0.3663, 0.2395



32.4927, 0.3820, 0.2259



35.8772, 0.4466, 0.3061



18.1867, 0.3192, 0.3136



12.5820, 0.4334, 0.2161



1.2457, 0.4172, 0.2072

Inverse Universe

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



38.4879, 0.3663, 0.2395



32.4927, 0.3820, 0.2259



81.1285, 0.2532, 0.3562



18.1867, 0.3192, 0.3136



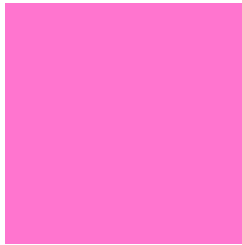
12.5820, 0.4334, 0.2161



1.2457, 0.4172, 0.2072

Previews

White Background



This preview shows how the Yxy color 38.4876, 0.3663, 0.2395 looks on a white background.

Color Contrast Check

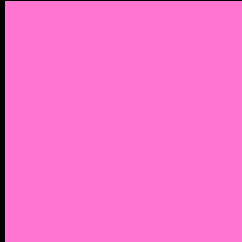
Large Text (above 18pt) WCAG AA × Fail

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 38.4876, 0.3663, 0.2395 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 38.4876, 0.3663, 0.2395

Background



This preview shows how black text looks on a background with the Yxy color 38.4876, 0.3663, 0.2395.



This preview shows how white text looks on a background with the Yxy color 38.4876, 0.3663, 0.2395.

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

38.4876, 0.3663, 0.2395

Protanopia

39.0719, 0.2403, 0.2310

Deuteranopia

38.5334, 0.2866, 0.2807



Tritanopia

38.3821, 0.4313, 0.3198

Trichromacy



Original Color

38.4876, 0.3663, 0.2395



Protanomaly

36.9042, 0.2765, 0.2305



Deuteranomaly

36.9642, 0.3131, 0.2601



Tritanomaly

38.4046, 0.4081, 0.2894

Monochromacy



Original Color

38.4876, 0.3663, 0.2395



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.5110, 0.3315, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4876, 0.3663, 0.2395 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 207) }
```

Border

The CSS property to change the border of an element to Yxy 38.4876, 0.3663, 0.2395 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, 207) }
```

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

```
.border{ border-color:rgb(255, 117, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4876, 0.3663, 0.2395 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
117, 207) }
```

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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