

Converting Colors

$Y_{xy}(60.4266, 0.4827, 0.2718)$

Have a look what the booklet for
Yxy(60.4266, 0.4827, 0.2718)
contains.

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Color

Yxy(33.3434, 0.3899, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	FF60BE
RGB	255, 96, 190
RGB Percent	100%, 38%, 75%
CMY	0.0000, 0.6235, 0.2549
CMYK	0.00, 0.62, 0.25, 0.00
HSL	325°, 100%, 69%
HSV	325°, 62%, 100%
XYZ	54.7163, 33.3434, 52.2745
YIQ	154.2570, 64.5900, 62.9420

Conversions

Conversions Part 2

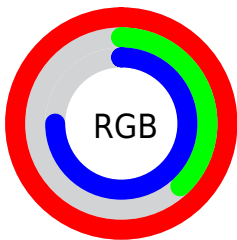
Format	Color
R _Y B	255, 96, 190
Decimal	16736446
CIE Lab	64.44, 69.22, -17.92
CIE LCh	64, 71.505, 345.487
Yxy	33.3434, 0.3899, 0.2376
Android (android.graphics.Color)	4294926526 (0xFFFF60BE)
YUV	154.2570, 17.6213, 88.3516
Hunter-Lab	57.7437, 68.0899, -13.2537

Details

The Yxy color **33.3434, 0.3899, 0.2376** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.5762, 0.2772, 0.4515**, and the grayscale version is **32.3360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0250, 0.3247, 0.2386**, and **14.1060, 0.4103, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **28.9822, 0.4084, 0.2292**, and if you desaturate by 10%, it is **39.2488, 0.3727, 0.2496**.

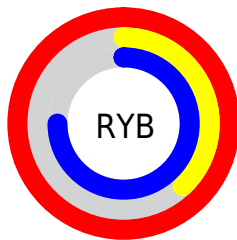
Distribution



Red (100%)

Green (38%)

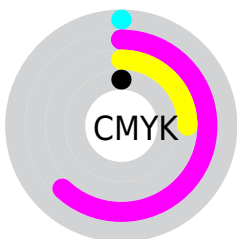
Blue (75%)



Red (100%)

Yellow (38%)

Blue (75%)

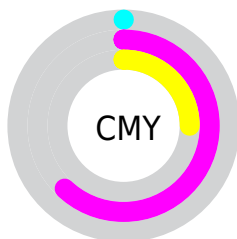


Cyan (0%)

Magenta (62%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3434, 0.3899, 0.2376 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 33.3434, 0.3899, 0.2376 by changing the saturation by 10% instead.


 33.3434, 0.3899,
0.2376


 33.3434, 0.3899,
0.2376


317.1943, 0.3512,
0.2820

 22.3896, 0.3995,
0.2270


 64.9113, 0.3759,
0.2534


 14.1435, 0.4118,
0.2137


 86.2942, 0.3706,
0.2594

 8.2205, 0.4281,
0.1965


 111.9223, 0.3661,
0.2646

 4.2364, 0.4504,
0.1738

 142.1800, 0.3623,
0.2690

 1.8067, 0.4829,
0.1425

177.4516, 0.3590,
0.2729

 0.4913, 0.5386,
0.0894

218.1216, 0.3560,

 0.0000, 0.6605,

0.2763

0.0000

264.5744, 0.3535,
0.2793

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3434, 0.3899,
0.2376

■ 33.3434, 0.3899,
0.2376

■ 28.9822, 0.4084,
0.2292

■ 39.2488, 0.3727,
0.2496

■ 26.0075, 0.4277,
0.2254


■ 46.8258, 0.3573,
0.2639

■ 24.2365, 0.4468,
0.2269

■ 56.1940, 0.3439,
0.2793

■ 23.4856, 0.4610,
0.2313

■ 67.4608, 0.3323,
0.2952

 80.7251, 0.3226,
0.3107

 96.0786, 0.3144,
0.3256

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



33.3434, 0.2768, 0.1930



33.3434, 0.3899, 0.2376



33.3434, 0.4909, 0.2998

Triad

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



33.3434, 0.3899, 0.2376



33.3434, 0.4132, 0.5153



33.3434, 0.1358, 0.2283

Complementary

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



33.3434, 0.3899, 0.2376



76.5762, 0.2772, 0.4515

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.



33.3434, 0.1581, 0.3234



33.3434, 0.3899, 0.2376



33.3434, 0.3148, 0.5338

Square

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



33.3434, 0.3899, 0.2376



33.3434, 0.4930, 0.4460



33.3434, 0.2209, 0.4533



33.3434, 0.1479, 0.1825

Rectangle

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



33.3434, 0.3899, 0.2376



33.3434, 0.5242, 0.3462



33.3434, 0.2209, 0.4533



33.3434, 0.1391, 0.2541

Sweetspot

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



33.3451, 0.3899, 0.2376



71.6775, 0.3289, 0.3004



23.0206, 0.2338, 0.1468



14.5683, 0.3318, 0.2959



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.



33.3451, 0.3899, 0.2376



28.0662, 0.4135, 0.2277



30.7947, 0.4941, 0.3148



18.1673, 0.3201, 0.3150



12.3029, 0.4580, 0.2297



1.2196, 0.4380, 0.2187

Inverse Universe

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



33.3451, 0.3899, 0.2376



28.0662, 0.4135, 0.2277



80.2409, 0.2435, 0.3478



18.1673, 0.3201, 0.3150



12.3029, 0.4580, 0.2297



1.2196, 0.4380, 0.2187

Previews

White Background



This preview shows how the Yxy color 33.3434, 0.3899, 0.2376 looks on a white background.

Color Contrast Check

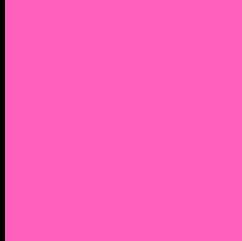
Large Text (above 18pt) WCAG AA × Fail

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 33.3434, 0.3899, 0.2376 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 33.3434, 0.3899, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 33.3434, 0.3899, 0.2376.



This preview shows how white text looks on a background with the Yxy color 33.3434, 0.3899, 0.2376.

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

33.3434, 0.3899, 0.2376

Protanopia

33.6832, 0.2355, 0.2246

Deuteranopia

33.5922, 0.2945, 0.2890



Tritanopia

33.3061, 0.4681, 0.3224

Trichromacy



Original Color

33.3434, 0.3899, 0.2376



Protanomaly

30.8988, 0.2775, 0.2222



Deuteranomaly

31.5653, 0.3275, 0.2623



Tritanomaly

33.0690, 0.4409, 0.2907

Monochromacy



Original Color

33.3434, 0.3899, 0.2376



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6414, 0.3411, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3434, 0.3899, 0.2376 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, 96, 190)` looks like.

```
.text, #text, p{  
  color:rgb(255, 96, 190)  
}
```

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, 96, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.3434, 0.3899, 0.2376 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, 96, 190) }
```

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

```
.border{ border-color:rgb(255, 96, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3434, 0.3899, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 190) }
```

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

```
.background{ background-color: rgb(255, 96,  
190) }
```

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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