

Converting Colors

$Y_{xy}(34.8998, 0.3718, 0.2428)$

Have a look what the booklet for
Yxy(34.8998, 0.3718, 0.2428)
contains.

Yxy(34.9018, 0.3718, 0.2424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.9018, 0.3718, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	F66FC3
RGB	246, 111, 195
RGB Percent	96%, 44%, 76%
CMY	0.0354, 0.5646, 0.2353
CMYK	0.00, 0.55, 0.21, 0.04
HSL	323°, 88%, 70%
HSV	323°, 55%, 96%
XYZ	53.5334, 34.9018, 55.5492
YIQ	160.9410, 53.4960, 54.7440

Conversions

Conversions Part 2

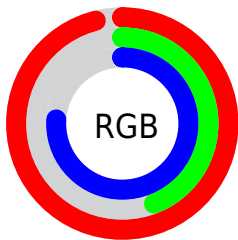
Format	Color
R _Y B	246, 111, 195
Decimal	16150467
CIE Lab	65.67, 60.88, -19.00
CIE LCh	66, 63.779, 342.673
Yxy	34.9018, 0.3718, 0.2424
Android (android.graphics.Color)	4294340547 (0xFFFF66FC3)
YUV	160.9410, 16.7911, 74.5967
Hunter-Lab	59.0777, 58.3619, -14.3943

Details

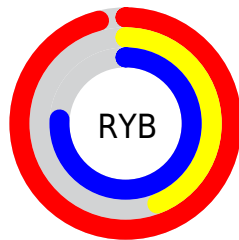
The Yxy color **34.9018, 0.3718, 0.2424** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **71.8830, 0.2814, 0.4395**, and the grayscale version is **35.5180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9257, 0.3191, 0.2457**, and **15.0341, 0.3890, 0.2201** is the 20% darker color. If you saturate the color by 10%, you get **29.8457, 0.3877, 0.2306**, and if you desaturate by 10%, it is **41.4650, 0.3573, 0.2569**.

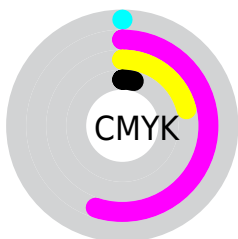
Distribution



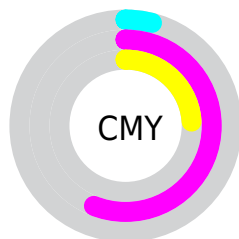
- Red (96%)
- Green (44%)
- Blue (76%)



- Red (96%)
- Yellow (44%)
- Blue (76%)



- Cyan (0%)
- Magenta (55%)
- Yellow (21%)
- Black (4%)





- Cyan (4%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9018, 0.3718, 0.2424 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 34.9018, 0.3718, 0.2424 by changing the saturation by 10% instead.

 34.9018, 0.3718,
0.2424


 34.9018, 0.3718,
0.2424


324.1347, 0.3426,
0.2843

 23.5872, 0.3790,
0.2324


 67.3336, 0.3613,
0.2573

 15.0277, 0.3880,
0.2199


 89.2197, 0.3573,
0.2630

 8.8388, 0.3999,
0.2038


 115.3983, 0.3539,
0.2678

 4.6362, 0.4162,
0.1824

146.2540, 0.3510,
0.2720

 2.0354, 0.4394,
0.1529

182.1711, 0.3485,
0.2757

 0.6279, 0.4768,
0.1072

223.5339, 0.3463,


 0.0000, 0.5646,


0.2789

0.0000


270.7270, 0.3443,
0.2818


 0.0000, 0.0000,
0.0000

 34.9018, 0.3718,
0.2424

 34.9018, 0.3718,
0.2424


 29.8457, 0.3877,
0.2306


 41.4650, 0.3573,
0.2569


 26.1665, 0.4047,
0.2225


 49.6410, 0.3445,
0.2728


 23.7207, 0.4220,
0.2193

 59.5319, 0.3335,
0.2894

 22.3296, 0.4391,
0.2214

 71.2298, 0.3240,
0.3058

 21.8897, 0.4477,
0.2240

 84.8202, 0.3161,
0.3216

 98.0563, 0.3096,
0.3331

 98.3273, 0.3072,
0.3290

Harmonies

Analogous

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



34.9018, 0.2732, 0.2031



34.9018, 0.3718, 0.2424



34.9018, 0.4631, 0.2990

Triad

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



34.9018, 0.3718, 0.2424



34.9018, 0.4144, 0.4924



34.9018, 0.1528, 0.2469

Complementary

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



34.9018, 0.3718, 0.2424



71.8830, 0.2814, 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.



34.9018, 0.1781, 0.3359



34.9018, 0.3718, 0.2424



34.9018, 0.3266, 0.5090

Square

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



34.9018, 0.3718, 0.2424



34.9018, 0.4813, 0.4325



34.9018, 0.2398, 0.4459



34.9018, 0.1608, 0.1998

Rectangle

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



34.9018, 0.3718, 0.2424



34.9018, 0.4975, 0.3419



34.9018, 0.2398, 0.4459



34.9018, 0.1573, 0.2719

Sweetspot

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



34.9035, 0.3718, 0.2424



75.7214, 0.3251, 0.3039



25.5538, 0.2419, 0.1674



15.6222, 0.3269, 0.3005



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.



34.9035, 0.3718, 0.2424



31.8088, 0.3898, 0.2293



32.5486, 0.4549, 0.3107



16.6560, 0.3196, 0.3144



11.7153, 0.4450, 0.2225



1.0496, 0.4253, 0.2116

Inverse Universe

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



34.9035, 0.3718, 0.2424



31.8088, 0.3898, 0.2293



74.8748, 0.2507, 0.3509



16.6560, 0.3196, 0.3144



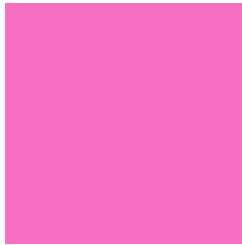
11.7153, 0.4450, 0.2225



1.0496, 0.4253, 0.2116

Previews

White Background



This preview shows how the Yxy color 34.9018, 0.3718, 0.2424 looks on a white background.

Color Contrast Check

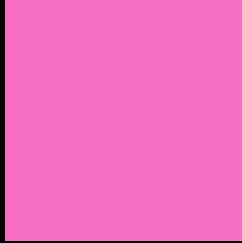
Large Text (above 18pt) WCAG AA × Fail

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 34.9018, 0.3718, 0.2424 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 34.9018, 0.3718, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 34.9018, 0.3718, 0.2424.



This preview shows how white text looks on a background with the Yxy color 34.9018, 0.3718, 0.2424.

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

34.9018, 0.3718, 0.2424

Protanopia

35.4292, 0.2427, 0.2344

Deuteranopia

35.0892, 0.2906, 0.2843



Tritanopia

34.9137, 0.4354, 0.3195

Trichromacy



Original Color

34.9018, 0.3718, 0.2424



Protanomaly

33.4066, 0.2799, 0.2327



Deuteranomaly

33.8552, 0.3178, 0.2639



Tritanomaly

34.7105, 0.4125, 0.2902

Monochromacy



Original Color

34.9018, 0.3718, 0.2424



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8685, 0.3343, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9018, 0.3718, 0.2424 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(246, 111, 195)` looks like.

```
.text, #text, p{  
    color:rgb(246, 111, 195)  
}
```

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(246, 111, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 111, 195) }
```

Border

The CSS property to change the border of an element to Yxy 34.9018, 0.3718, 0.2424 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(246, 111, 195) }
```

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

```
.border{ border-color:rgb(246, 111, 195) }
```

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

Here you see how a box with a 4 pixel rgb(246, 111, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 111, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 111, 195);  
box-shadow:4px 4px 4px 4px rgb(246, 111,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9018, 0.3718, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 111, 195) }
```

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

```
.background{ background-color: rgb(246,  
111, 195) }
```

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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