

Converting Colors

Yxy(34.4611, 0.3766, 0.2308)

Have a look what the booklet for
Yxy(34.4611, 0.3766, 0.2308)
contains.

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Color

Yxy(34.3538, 0.3772, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	FF63C8
RGB	255, 99, 200
RGB Percent	100%, 39%, 78%
CMY	0.0001, 0.6116, 0.2157
CMYK	0.00, 0.61, 0.22, 0.00
HSL	321°, 100%, 69%
HSV	321°, 61%, 100%
XYZ	56.1206, 34.3538, 58.3077
YIQ	157.1580, 60.5550, 64.4830

Conversions

Conversions Part 2

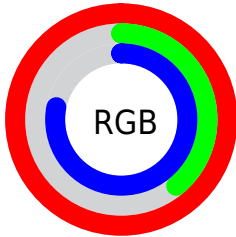
Format	Color
R _Y B	255, 99, 200
Decimal	16737224
CIE Lab	65.24, 69.28, -22.34
CIE LCh	65, 72.797, 342.129
Yxy	34.3538, 0.3772, 0.2309
Android (android.graphics.Color)	4294927304 (0xFFFF63C8)
YUV	157.1580, 21.1211, 85.8074
Hunter-Lab	58.6121, 68.3411, -17.9536

Details

The Yxy color **34.3538, 0.3772, 0.2309** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.4966, 0.2814, 0.4605**, and the grayscale version is **33.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.7651, 0.3946, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **29.8532, 0.3925, 0.2209**, and if you desaturate by 10%, it is **40.4071, 0.3629, 0.2444**.

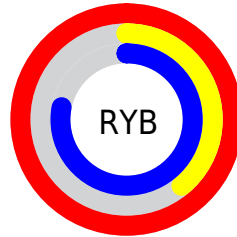
Distribution



Red (100%)

Green (39%)

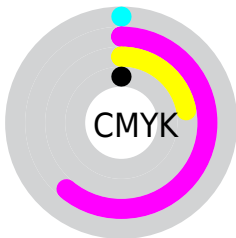
Blue (78%)



Red (100%)

Yellow (39%)

Blue (78%)

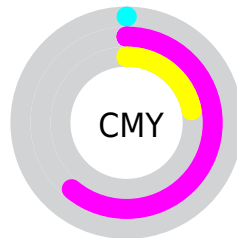


Cyan (0%)

Magenta (61%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3538, 0.3772, 0.2309 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 34.3538, 0.3772, 0.2309 by changing the saturation by 10% instead.


 34.3538, 0.3772,
0.2309


 34.3538, 0.3772,
0.2309


321.7068, 0.3456,
0.2778


 23.1655, 0.3848,
0.2199


 66.4835, 0.3659,
0.2474


 14.7158, 0.3944,
0.2062


 88.1937, 0.3616,
0.2538

 8.6202, 0.4069,
0.1888


 114.1800, 0.3580,
0.2592

 4.4943, 0.4236,
0.1660

 144.8268, 0.3548,
0.2640

 1.9537, 0.4471,
0.1354

180.5184, 0.3521,
0.2681

 0.5804, 0.4842,
0.0888

221.6394, 0.3497,

 0.0000, 0.5567,

0.2717

0.0000

268.5741, 0.3475,
0.2750

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3538, 0.3772,
0.2309

■ 34.3538, 0.3772,
0.2309

■ 29.8532, 0.3925,
0.2209

■ 40.4071, 0.3629,
0.2444

■ 26.7507, 0.4084,
0.2153

■ 48.1382, 0.3500,
0.2600

■ 24.8686, 0.4242,
0.2149

■ 57.6653, 0.3387,
0.2769

■ 23.9754, 0.4377,
0.2185

■ 69.0942, 0.3288,
0.2941

82.5226, 0.3205,
0.3110

98.0415, 0.3135,
0.3272

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



34.3538, 0.2652, 0.1886



34.3538, 0.3772, 0.2309



34.3538, 0.4834, 0.2919

Triad

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



34.3538, 0.3772, 0.2309



34.3538, 0.4239, 0.5100



34.3538, 0.1355, 0.2355

Complementary

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



34.3538, 0.3772, 0.2309



76.4966, 0.2814, 0.4605

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.



34.3538, 0.1621, 0.3371



34.3538, 0.3772, 0.2309



34.3538, 0.3259, 0.5381

Square

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



34.3538, 0.3772, 0.2309



34.3538, 0.5008, 0.4377



34.3538, 0.2295, 0.4679



34.3538, 0.1440, 0.1847

Rectangle

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



34.3538, 0.3772, 0.2309



34.3538, 0.5226, 0.3380



34.3538, 0.2295, 0.4679



34.3538, 0.1401, 0.2634

Sweetspot

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



34.3555, 0.3772, 0.2309



73.1310, 0.3261, 0.2995



22.9805, 0.2294, 0.1474



14.8584, 0.3286, 0.2945



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.



34.3555, 0.3772, 0.2309



29.1874, 0.3954, 0.2195



31.6017, 0.4785, 0.3071



18.1852, 0.3192, 0.3137



12.5591, 0.4353, 0.2172



1.2436, 0.4188, 0.2081

Inverse Universe

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



34.3555, 0.3772, 0.2309



29.1874, 0.3954, 0.2195



79.9655, 0.2474, 0.3571



18.1852, 0.3192, 0.3137



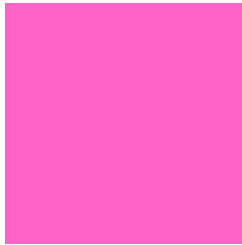
12.5591, 0.4353, 0.2172



1.2436, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 34.3538, 0.3772, 0.2309 looks on a white background.

Color Contrast Check

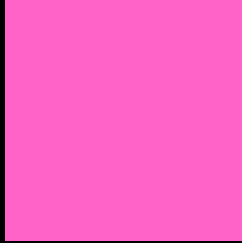
Large Text (above 18pt) WCAG AA × Fail

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 34.3538, 0.3772, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

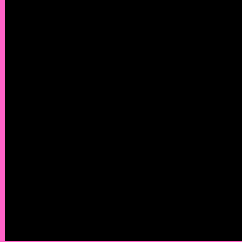
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3538, 0.3772, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 34.3538, 0.3772, 0.2309.



This preview shows how white text looks on a background with the Yxy color 34.3538, 0.3772, 0.2309.

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

34.3538, 0.3772, 0.2309

Protanopia

34.8372, 0.2291, 0.2159

Deuteranopia

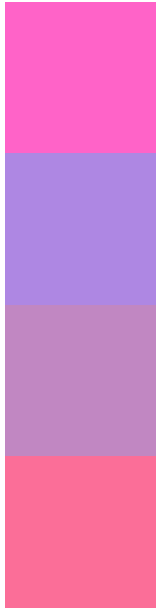
34.4734, 0.2846, 0.2785



Tritanopia

34.1597, 0.4586, 0.3212

Trichromacy



Original Color

34.3538, 0.3772, 0.2309

Protanomaly

31.8727, 0.2691, 0.2145

Deuteranomaly

32.5604, 0.3152, 0.2541

Tritanomaly

33.9281, 0.4305, 0.2863

Monochromacy



Original Color

34.3538, 0.3772, 0.2309

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

31.9629, 0.3364, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3538, 0.3772, 0.2309 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, 99, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 200)  
}
```

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, 99, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 200) }
```

Border

The CSS property to change the border of an element to Yxy 34.3538, 0.3772, 0.2309 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, 99, 200) }
```

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

```
.border{ border-color:rgb(255, 99, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3538, 0.3772, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 200) }
```

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

```
.background{ background-color: rgb(255, 99,  
200) }
```

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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