

Converting Colors

$Y_{xy}(34.2737, 0.3606, 0.2108)$

Have a look what the booklet for
Yxy(34.2737, 0.3606, 0.2108)
contains.

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Color

Yxy(33.8041, 0.3574, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BDA
RGB	255, 91, 218
RGB Percent	100%, 36%, 85%
CMY	0.0000, 0.6432, 0.1450
CMYK	0.00, 0.64, 0.14, 0.00
HSL	314°, 100%, 68%
HSV	314°, 64%, 100%
XYZ	57.6412, 33.8041, 69.8339
YIQ	154.5140, 56.9770, 74.2650

Conversions

Conversions Part 2

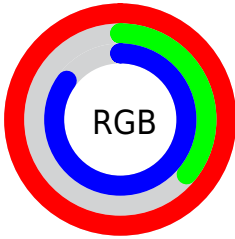
Format	Color
R _Y B	255, 91, 218
Decimal	16735194
CIE Lab	64.81, 74.92, -33.16
CIE LCh	65, 81.926, 336.128
Yxy	33.8041, 0.3574, 0.2096
Android (android.graphics.Color)	4294925274 (0xFFFF5BDA)
YUV	154.5140, 31.2986, 88.1262
Hunter-Lab	58.1413, 75.2172, -30.5147

Details

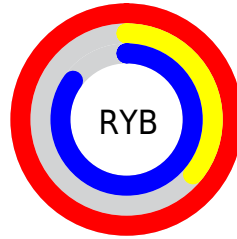
The Yxy color **33.8041, 0.3574, 0.2096** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.3012, 0.2895, 0.4957**, and the grayscale version is **32.3915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2927, 0.3175, 0.2275**, and **14.4635, 0.3672, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **29.8646, 0.3665, 0.1987**, and if you desaturate by 10%, it is **39.2337, 0.3485, 0.2243**.

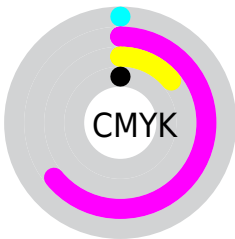
Distribution



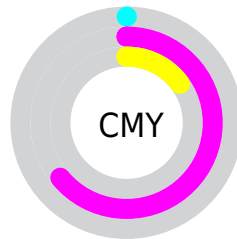
- Red (100%)
- Green (36%)
- Blue (85%)



- Red (100%)
- Yellow (36%)
- Blue (85%)



- Cyan (0%)
- Magenta (64%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8041, 0.3574, 0.2096 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 33.8041, 0.3574, 0.2096 by changing the saturation by 10% instead.


 33.8041, 0.3574,
0.2096


 33.8041, 0.3574,
0.2096


319.2577, 0.3371,
0.2652


 22.7431, 0.3618,
0.1970


 65.6289, 0.3505,
0.2288


 14.4040, 0.3671,
0.1817


 87.1616, 0.3478,
0.2363

 8.4022, 0.3736,
0.1626


 112.9536, 0.3454,
0.2428

 4.3533, 0.3815,
0.1384

 143.3893, 0.3433,
0.2484

 1.8731, 0.3910,
0.1075

178.8532, 0.3415,
0.2534

 0.5321, 0.4037,
0.0634

219.7296, 0.3399,

 0.0000, 0.4191,

0.2578

0.0000

266.4030, 0.3384,
0.2617

■ 0.0000, 0.3211,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8041, 0.3574,
0.2096

■ 33.8041, 0.3574,
0.2096

■ 29.8646, 0.3665,
0.1987

■ 39.2337, 0.3485,
0.2243

■ 27.2589, 0.3756,
0.1924


■ 46.2895, 0.3402,
0.2418


■ 25.7941, 0.3844,
0.1910

■ 55.0913, 0.3326,
0.2611

■ 25.3148, 0.3892,
0.1918

■ 65.7477, 0.3258,
0.2812

 78.3586, 0.3198,
0.3013

 93.0167, 0.3147,
0.3208

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.



33.8041, 0.2380, 0.1696



33.8041, 0.3574, 0.2096



33.8041, 0.4849, 0.2716

Triad

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



33.8041, 0.3574, 0.2096



33.8041, 0.4496, 0.5106



33.8041, 0.1213, 0.2401

Complementary

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



33.8041, 0.3574, 0.2096



75.3012, 0.2895, 0.4957

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.



33.8041, 0.1563, 0.3657



33.8041, 0.3574, 0.2096



33.8041, 0.3441, 0.5666

Square

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



33.8041, 0.3574, 0.2096



33.8041, 0.5299, 0.4244



33.8041, 0.2367, 0.5151



33.8041, 0.1243, 0.1766

Rectangle

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



33.8041, 0.3574, 0.2096



33.8041, 0.5392, 0.3193



33.8041, 0.2367, 0.5151



33.8041, 0.1282, 0.2748

Sweetspot

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



33.8038, 0.3574, 0.2096



72.2043, 0.3225, 0.2919



19.1762, 0.2082, 0.1310



14.6964, 0.3243, 0.2861



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.



33.8038, 0.3574, 0.2096



29.0419, 0.3690, 0.1966



30.5599, 0.4619, 0.2850



18.2262, 0.3173, 0.3108



13.2512, 0.3879, 0.1910



1.3066, 0.3786, 0.1859

Inverse Universe

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



33.8038, 0.3574, 0.2096



29.0419, 0.3690, 0.1966



78.3239, 0.2547, 0.3872



18.2262, 0.3173, 0.3108



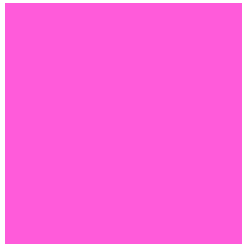
13.2512, 0.3879, 0.1910



1.3066, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 33.8041, 0.3574, 0.2096 looks on a white background.

Color Contrast Check

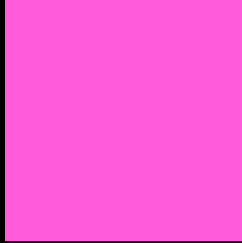
Large Text (above 18pt) WCAG AA × Fail

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 33.8041, 0.3574, 0.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

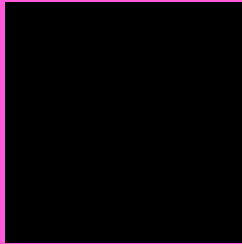
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8041, 0.3574, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 33.8041, 0.3574, 0.2096.

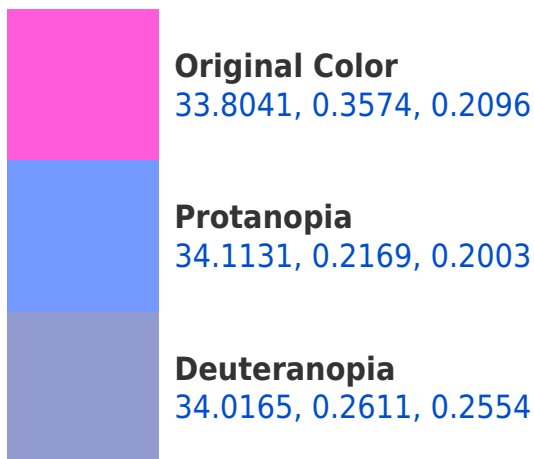


This preview shows how white text looks on a background with the Yxy color 33.8041, 0.3574, 0.2096.

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





Tritanopia

33.7961, 0.4567, 0.3211

Trichromacy



Original Color

33.8041, 0.3574, 0.2096



Protanomaly

30.8589, 0.2524, 0.1943



Deuteranomaly

31.5703, 0.2909, 0.2288



Tritanomaly

33.3681, 0.4202, 0.2766

Monochromacy



Original Color

33.8041, 0.3574, 0.2096



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.7932, 0.3295, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8041, 0.3574, 0.2096 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, 91, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 218)  
}
```

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, 91, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 218) }
```

Border

The CSS property to change the border of an element to Yxy 33.8041, 0.3574, 0.2096 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, 91, 218) }
```

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

```
.border{ border-color:rgb(255, 91, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8041, 0.3574, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 218) }
```

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

```
.background{ background-color: rgb(255, 91,  
218) }
```

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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