

# Converting Colors

$Y_{xy}(35.8065, 0.3799, 0.2406)$

Have a look what the booklet for  
Yxy(35.8065, 0.3799, 0.2406)  
contains.

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# Color

**Yxy(35.8066, 0.3794, 0.2401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6BC5
RGB	255, 107, 197
RGB Percent	100%, 42%, 77%
CMY	0.0000, 0.5804, 0.2275
CMYK	0.00, 0.58, 0.23, 0.00
HSL	324°, 100%, 71%
HSV	324°, 58%, 100%
XYZ	56.5807, 35.8066, 56.7447
YIQ	161.5120, 59.3180, 59.3660

# Conversions

## Conversions Part 2

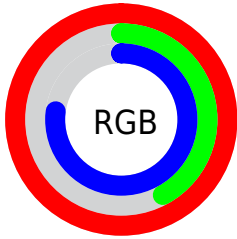
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 107, 197
Decimal	16739269
CIE Lab	66.37, 65.56, -18.93
CIE LCh	66, 68.237, 343.896
Yxy	35.8066, 0.3794, 0.2401
Android (android.graphics.Color)	4294929349 (0xFFFF6BC5)
YUV	161.5120, 17.4956, 81.9890
Hunter-Lab	59.8386, 64.0640, -14.3375

# Details

The Yxy color **35.8066, 0.3794, 0.2401** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3619, 0.2795, 0.4448**, and the grayscale version is **35.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9667, 0.3177, 0.2412**, and **15.5393, 0.3980, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **30.8055, 0.3965, 0.2296**, and if you desaturate by 10%, it is **42.4000, 0.3637, 0.2536**.

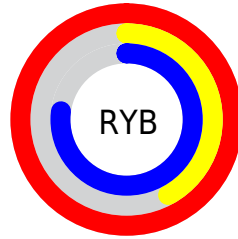
# Distribution



Red (100%)

Green (42%)

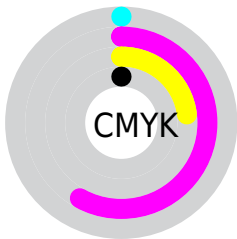
Blue (77%)



Red (100%)

Yellow (42%)

Blue (77%)

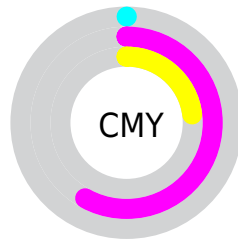


Cyan (0%)

Magenta (58%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8066, 0.3794, 0.2401 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 35.8066, 0.3794, 0.2401 by changing the saturation by 10% instead.





 35.8066, 0.3794,  
0.2401


 35.8066, 0.3794,  
0.2401


328.1144, 0.3465,  
0.2829

 24.2849, 0.3874,  
0.2300


 68.7335, 0.3676,  
0.2552

 15.5451, 0.3976,  
0.2174


 90.9074, 0.3631,  
0.2610

 9.2028, 0.4110,  
0.2012


 117.4008, 0.3593,  
0.2660

 4.8737, 0.4291,  
0.1799

 148.5981, 0.3560,  
0.2703

 2.1734, 0.4550,  
0.1508

184.8838, 0.3532,  
0.2740

 0.7054, 0.4954,  
0.1081

226.6421, 0.3507,

 0.0000, 0.5905,

0.2773

0.0000

274.2575, 0.3484,  
0.2802

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.8066, 0.3794,  
0.2401

■ 35.8066, 0.3794,  
0.2401

■ 30.8055, 0.3965,  
0.2296

■ 42.4000, 0.3637,  
0.2536

■ 27.2617, 0.4145,  
0.2234

■ 50.7190, 0.3498,  
0.2689

■ 25.0037, 0.4328,  
0.2222

■ 60.8741, 0.3377,  
0.2850

■ 23.8030, 0.4505,  
0.2263

■ 72.9686, 0.3274,  
0.3012

 23.6283, 0.4539,  
0.2274

 87.0982, 0.3187,  
0.3169

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.



35.8066, 0.2745, 0.1984



35.8066, 0.3794, 0.2401



35.8066, 0.4752, 0.2993

# Triad

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



35.8066, 0.3794, 0.2401



35.8066, 0.4144, 0.5024



35.8066, 0.1451, 0.2388

# Complementary

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



35.8066, 0.3794, 0.2401



77.3619, 0.2795, 0.4448

# 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.



35.8066, 0.1693, 0.3309



35.8066, 0.3794, 0.2401



35.8066, 0.3218, 0.5200

# Square

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



35.8066, 0.3794, 0.2401



35.8066, 0.4870, 0.4385



35.8066, 0.2316, 0.4496



35.8066, 0.1549, 0.1921



# Rectangle

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



35.8066, 0.3794, 0.2401



35.8066, 0.5094, 0.3438



35.8066, 0.2316, 0.4496



35.8066, 0.1491, 0.2643

# Sweetspot

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



35.8040, 0.3794, 0.2401



74.3457, 0.3264, 0.3028



25.5969, 0.2385, 0.1583



15.3495, 0.3283, 0.2996



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.



35.8040, 0.3794, 0.2401



30.0024, 0.4000, 0.2281



33.2351, 0.4717, 0.3126



18.1727, 0.3199, 0.3146



12.3765, 0.4511, 0.2259



1.2265, 0.4322, 0.2154



# Inverse Universe

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



35.8040, 0.3794, 0.2401



30.0024, 0.4000, 0.2281



80.8025, 0.2474, 0.3494



18.1727, 0.3199, 0.3146



12.3765, 0.4511, 0.2259

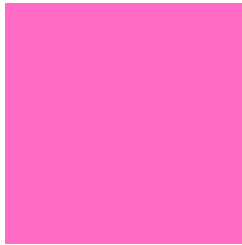


1.2265, 0.4322, 0.2154



# Previews

## White Background



This preview shows how the Yxy color 35.8066, 0.3794, 0.2401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

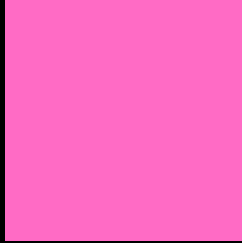
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.8066, 0.3794, 0.2401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

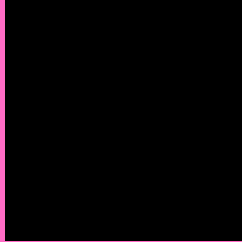
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.8066, 0.3794, 0.2401**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.8066, 0.3794, 0.2401.



This preview shows how white text looks on a background with the Yxy color 35.8066, 0.3794, 0.2401.

# 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

35.8066, 0.3794, 0.2401

### Protanopia

36.1128, 0.2396, 0.2294

### Deuteranopia

36.0204, 0.2917, 0.2861



## Tritanopia

35.6975, 0.4494, 0.3200

# Trichromacy



## Original Color

35.8066, 0.3794, 0.2401



## Protanomaly

33.6799, 0.2794, 0.2281



## Deuteranomaly

34.1413, 0.3209, 0.2623



## Tritanomaly

35.5984, 0.4240, 0.2899

# Monochromacy



## Original Color

35.8066, 0.3794, 0.2401



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

34.1769, 0.3365, 0.2863

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8066, 0.3794, 0.2401 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, 107, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 197)  
}
```

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, 107, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8066, 0.3794, 0.2401 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, 107, 197) }
```

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

```
.border{ border-color:rgb(255, 107, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8066, 0.3794, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 197) }
```

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

```
.background{ background-color: rgb(255,  
107, 197) }
```

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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