

# Converting Colors

Yxy(39.4324, 0.3023, 0.1851)

Have a look what the booklet for  
Yxy(39.4324, 0.3023, 0.1851)  
contains.

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# Color

**Yxy(38.7648, 0.3126, 0.1937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F870FF
RGB	248, 112, 255
RGB Percent	97%, 44%, 100%
CMY	0.0274, 0.5608, 0.0000
CMYK	0.03, 0.56, 0.00, 0.00
HSL	297°, 100%, 72%
HSV	297°, 56%, 100%
XYZ	62.5600, 38.7648, 98.8032
YIQ	168.9660, 35.1530, 73.3050

# Conversions

## Conversions Part 2

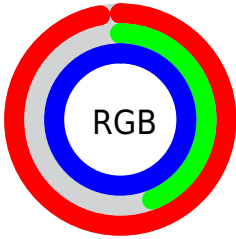
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	248, 112, 255
Decimal	16281855
CIE <sub>Lab</sub>	68.58, 70.36, -47.80
CIE <sub>LCh</sub>	69, 85.062, 325.811
Y <sub>xy</sub>	38.7648, 0.3126, 0.1937
Android (android.graphics.Color)	4294471935 (0xFFFF870FF)
YUV	168.9660, 42.4148, 69.3128
Hunter-Lab	62.2614, 70.3988, -50.5049

# Details

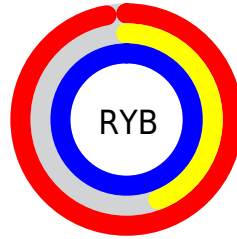
The Yxy color **38.7648, 0.3126, 0.1937** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.6103, 0.3074, 0.5088**, and the grayscale version is **39.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **17.3520, 0.3092, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **33.6864, 0.3120, 0.1761**, and if you desaturate by 10%, it is **45.4393, 0.3130, 0.2148**.

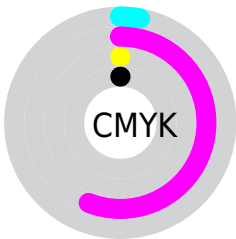
# Distribution



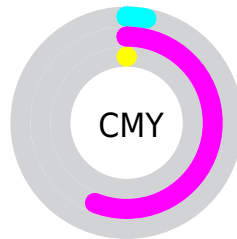
- Red (97%)
- Green (44%)
- Blue (100%)



- Red (97%)
- Yellow (44%)
- Blue (100%)



- Cyan (3%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (56%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7648, 0.3126, 0.1937 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 38.7648, 0.3126, 0.1937 by changing the saturation by 10% instead.





 38.7648, 0.3126,  
0.1937


 38.7648, 0.3126,  
0.1937


340.8895, 0.3157,  
0.2540

 26.5768, 0.3112,  
0.1808


 73.2789, 0.3143,  
0.2140

 17.2556, 0.3090,  
0.1653


 96.3737, 0.3147,  
0.2221

 10.4169, 0.3057,  
0.1467


 123.8730, 0.3151,  
0.2291

 5.6763, 0.3004,  
0.1239

156.1611, 0.3153,  
0.2353

 2.6492, 0.2915,  
0.0962

193.6224, 0.3155,  
0.2408

 0.9515, 0.2760,  
0.0630

236.6413, 0.3156,

 0.0000, 0.2539,

0.2457

0.0000

285.6022, 0.3156,  
0.2500

■ 0.0000, 0.1800,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.7648, 0.3126,  
0.1937

■ 38.7648, 0.3126,  
0.1937

■ 33.6864, 0.3120,  
0.1761

■ 45.4393, 0.3130,  
0.2148

■ 30.0631, 0.3111,  
0.1625

■ 53.8294, 0.3133,  
0.2383

■ 27.7336, 0.3101,  
0.1534

■ 64.0466, 0.3133,  
0.2634

■ 26.4968, 0.3090,  
0.1485

■ 76.1918, 0.3132,  
0.2889

■ 26.1931, 0.3085,  
0.1473

■ 90.3590, 0.3129,  
0.3141

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.



38.7648, 0.2072, 0.1631



38.7648, 0.3126, 0.1937



38.7648, 0.4435, 0.2491

# Triad

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



38.7648, 0.3126, 0.1937



38.7648, 0.4808, 0.4809



38.7648, 0.1296, 0.2766

# Complementary

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



38.7648, 0.3126, 0.1937



76.6103, 0.3074, 0.5088

# 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.



38.7648, 0.1800, 0.4193



38.7648, 0.3126, 0.1937



38.7648, 0.3817, 0.5538

# Square

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



38.7648, 0.3126, 0.1937



38.7648, 0.5444, 0.3958



38.7648, 0.2729, 0.5464



38.7648, 0.1206, 0.1934



# Rectangle

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



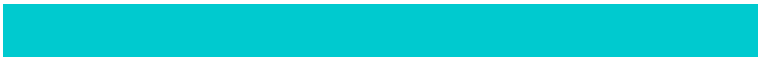
38.7648, 0.3126, 0.1937



38.7648, 0.5143, 0.2947



38.7648, 0.2729, 0.5464



38.7648, 0.1413, 0.3187

# Sweetspot

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



38.7657, 0.3126, 0.1937



74.9927, 0.3132, 0.2865



23.8922, 0.2051, 0.1564



15.5031, 0.3132, 0.2814



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.



38.7657, 0.3126, 0.1937



33.2949, 0.3119, 0.1746



36.5930, 0.3858, 0.2503



18.2525, 0.3130, 0.3055



13.7062, 0.3087, 0.1474



1.3479, 0.3102, 0.1482



# Inverse Universe

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



34.1784, 0.4754, 0.3227



28.4054, 0.5266, 0.3226



78.1126, 0.2763, 0.4289



18.0014, 0.3287, 0.3279



11.1293, 0.6352, 0.3273



1.0885, 0.6236, 0.3209



# Previews

## White Background



This preview shows how the Yxy color 38.7648, 0.3126, 0.1937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

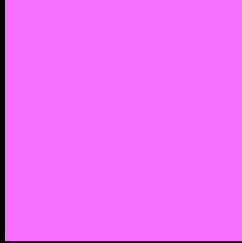
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.7648, 0.3126, 0.1937 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 38.7648, 0.3126, 0.1937**

## Background



This preview shows how black text looks on a background with the Yxy color 38.7648, 0.3126, 0.1937.



This preview shows how white text looks on a background with the Yxy color 38.7648, 0.3126, 0.1937.

# 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

38.7648, 0.3126, 0.1937

### Protanopia

39.1986, 0.2290, 0.2171

### Deuteranopia

39.0159, 0.2347, 0.2283



## Tritanopia

38.6203, 0.4045, 0.3179

# Trichromacy



## Original Color

38.7648, 0.3126, 0.1937



## Protanomaly

36.8917, 0.2525, 0.2025



## Deuteranomaly

36.6274, 0.2570, 0.2079



## Tritanomaly

38.1214, 0.3699, 0.2661

# Monochromacy



## Original Color

38.7648, 0.3126, 0.1937



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

37.3557, 0.3138, 0.2646

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7648, 0.3126, 0.1937 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(248, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 112, 255)  
}
```

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(248, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 112, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7648, 0.3126, 0.1937 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(248, 112, 255) }
```

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

```
.border{ border-color:rgb(248, 112, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 112, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 112,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7648, 0.3126, 0.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 112, 255) }
```

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

```
.background{ background-color: rgb(248,  
112, 255) }
```

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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