

# Converting Colors

$Y_{xy}(41.0874, 0.3469, 0.2464)$

Have a look what the booklet for  
Yxy(41.0874, 0.3469, 0.2464)  
contains.

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# Color

**Yxy(41.0874, 0.3469, 0.2464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F486D5
RGB	244, 134, 213
RGB Percent	96%, 53%, 84%
CMY	0.0431, 0.4745, 0.1648
CMYK	0.00, 0.45, 0.13, 0.04
HSL	317°, 83%, 74%
HSV	317°, 45%, 96%
XYZ	57.8459, 41.0874, 67.8176
YIQ	175.8960, 40.2010, 47.8890

# Conversions

## Conversions Part 2

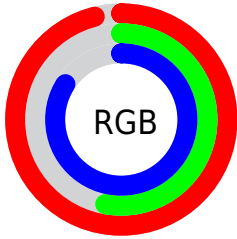
Format	Color
<a href="#">RYB</a>	<a href="#">244, 134, 213</a>
Decimal	<a href="#">16025301</a>
CIELab	<a href="#">70.24, 52.01, -22.12</a>
CIElCh	<a href="#">70, 56.518, 336.963</a>
Yxy	<a href="#">41.0874, 0.3469, 0.2464</a>
Android (android.graphics.Color)	<a href="#">4294215381 (0xFFFF486D5)</a>
YUV	<a href="#">175.8960, 18.2923, 59.7272</a>
Hunter-Lab	<a href="#">64.0995, 48.9113, -17.8595</a>

# Details

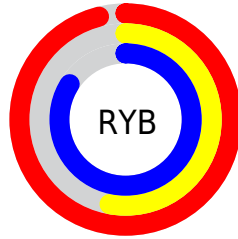
The Yxy color **41.0874, 0.3469, 0.2464** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.4989, 0.2907, 0.4302**, and the grayscale version is **43.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **18.6450, 0.3557, 0.2264** is the 20% darker color. If you saturate the color by 10%, you get **34.7623, 0.3574, 0.2301**, and if you desaturate by 10%, it is **48.9872, 0.3374, 0.2644**.

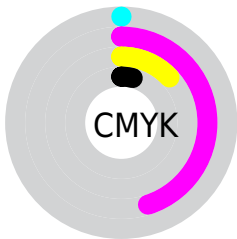
# Distribution



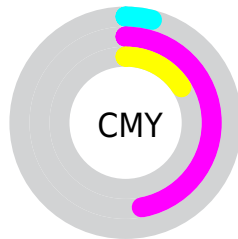
- Red (96%)
- Green (53%)
- Blue (84%)



- Red (96%)
- Yellow (53%)
- Blue (84%)



- Cyan (0%)
- Magenta (45%)
- Yellow (13%)
- Black (4%)




- Cyan (4%)
- Magenta (47%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0874, 0.3469, 0.2464 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 41.0874, 0.3469, 0.2464 by changing the saturation by 10% instead.





 41.0874, 0.3469,  
0.2464


 41.0874, 0.3469,  
0.2464

350.6858, 0.3309,  
0.2854


 28.3874, 0.3506,  
0.2374


 76.8166, 0.3413,  
0.2601

 18.6179, 0.3551,  
0.2261


 100.6145, 0.3392,  
0.2653

 11.3945, 0.3608,  
0.2119


 128.8805, 0.3373,  
0.2699

 6.3328, 0.3682,  
0.1932

161.9990, 0.3357,  
0.2738

 3.0485, 0.3781,  
0.1680

200.3544, 0.3343,  
0.2772

 1.1571, 0.3916,  
0.1324

244.3310, 0.3330,

 0.0262, 0.4426,

0.2803

0.0084

294.3134, 0.3319,  
0.2830

0.0000, 0.3962,  
0.0000

0.0000, 0.0000,  
0.0000

41.0874, 0.3469,  
0.2464

41.0874, 0.3469,  
0.2464

34.7623, 0.3574,  
0.2301

48.9872, 0.3374,  
0.2644

29.8974, 0.3688,  
0.2166

58.5542, 0.3290,  
0.2831

26.3721, 0.3806,  
0.2069

69.8806, 0.3217,  
0.3019

24.0434, 0.3925,  
0.2018

83.0503, 0.3155,  
0.3201

■ 22.7358, 0.4042,  
0.2018

■ 97.4967, 0.3103,  
0.3364

■ 22.3384, 0.4098,  
0.2031

■ 97.9306, 0.3064,  
0.3297

■ 97.9765, 0.3060,  
0.3290

# Harmonies

## Analogous

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



41.0874, 0.2658, 0.2151



41.0874, 0.3469, 0.2464



41.0874, 0.4269, 0.2946

# Triad

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



41.0874, 0.3469, 0.2464



41.0874, 0.4158, 0.4626



41.0874, 0.1759, 0.2730

# Complementary

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



41.0874, 0.3469, 0.2464



72.4989, 0.2907, 0.4302

# 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.



41.0874, 0.2057, 0.3536



41.0874, 0.3469, 0.2464



41.0874, 0.3427, 0.4807

# Square

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



41.0874, 0.3469, 0.2464



41.0874, 0.4652, 0.4116



41.0874, 0.2657, 0.4393



41.0874, 0.1770, 0.2238



# Rectangle

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



41.0874, 0.3469, 0.2464



41.0874, 0.4625, 0.3323



41.0874, 0.2657, 0.4393



41.0874, 0.1823, 0.2969

# Sweetspot

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



41.0893, 0.3469, 0.2464



78.6679, 0.3210, 0.3038



31.4049, 0.2487, 0.1951



16.2125, 0.3225, 0.2998



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.



41.0893, 0.3469, 0.2464



39.0182, 0.3564, 0.2316



38.8129, 0.4049, 0.3013



16.6839, 0.3181, 0.3122



12.1688, 0.4080, 0.2021



1.0871, 0.3945, 0.1947



# Inverse Universe

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



41.0893, 0.3469, 0.2464



39.0182, 0.3564, 0.2316



74.8611, 0.2640, 0.3601



16.6839, 0.3181, 0.3122



12.1688, 0.4080, 0.2021

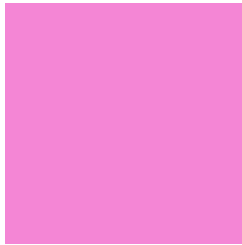


1.0871, 0.3945, 0.1947



# Previews

## White Background



This preview shows how the Yxy color 41.0874, 0.3469, 0.2464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

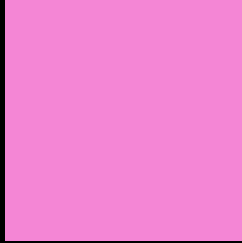
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0874, 0.3469, 0.2464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

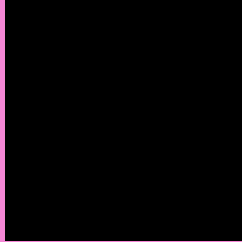
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.0874, 0.3469, 0.2464**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0874, 0.3469, 0.2464.



This preview shows how white text looks on a background with the Yxy color 41.0874, 0.3469, 0.2464.

# 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

41.0874, 0.3469, 0.2464

### Protanopia

41.5608, 0.2488, 0.2420

### Deuteranopia

41.2809, 0.2850, 0.2783



## Tritanopia

41.1692, 0.3974, 0.3169

# Trichromacy



## Original Color

41.0874, 0.3469, 0.2464



## Protanomaly

40.1414, 0.2781, 0.2409



## Deuteranomaly

40.3861, 0.3057, 0.2644



## Tritanomaly

41.0456, 0.3790, 0.2905

# Monochromacy



## Original Color

41.0874, 0.3469, 0.2464



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

41.5814, 0.3256, 0.2942

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0874, 0.3469, 0.2464 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(244, 134, 213)` looks like.

```
.text, #text, p{  
    color:rgb(244, 134, 213)  
}
```

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(244, 134, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 134, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0874, 0.3469, 0.2464 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(244, 134, 213) }
```

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

```
.border{ border-color:rgb(244, 134, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 134, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 134, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 134, 213);  
box-shadow:4px 4px 4px 4px rgb(244, 134,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0874, 0.3469, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 134, 213) }
```

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

```
.background{ background-color: rgb(244,  
134, 213) }
```

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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