

# Converting Colors

$Yxy(39.3444, 0.3222, 0.2071)$

Have a look what the booklet for  
Yxy(39.3444, 0.3222, 0.2071)  
contains.

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**Color**

**Yxy(39.2021, 0.3222, 0.2070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F776F3
RGB	247, 118, 243
RGB Percent	97%, 46%, 95%
CMY	0.0313, 0.5373, 0.0470
CMYK	0.00, 0.52, 0.02, 0.03
HSL	302°, 89%, 72%
HSV	302°, 52%, 97%
XYZ	61.0189, 39.2021, 89.1611
YIQ	170.8210, 36.7590, 66.2230

# Conversions

## Conversions Part 2

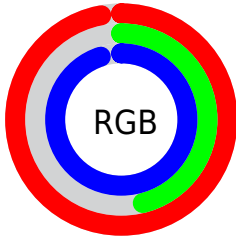
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 118, 243
Decimal	16217843
CIE <sub>Lab</sub>	68.90, 65.40, -40.74
CIE <sub>LCh</sub>	69, 77.046, 328.080
Yxy	39.2021, 0.3222, 0.2070
Android (android.graphics.Color)	4294407923 (0xFFFF776F3)
YUV	170.8210, 35.5842, 66.8090
Hunter-Lab	62.6116, 64.3892, -40.6030

# Details

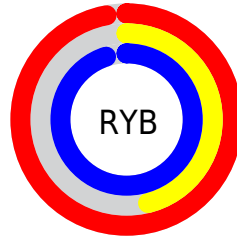
The Yxy color **39.2021, 0.3222, 0.2070** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **71.7842, 0.3031, 0.4918**, and the grayscale version is **40.4351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **17.4683, 0.3223, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **34.0826, 0.3240, 0.1892**, and if you desaturate by 10%, it is **45.8481, 0.3203, 0.2279**.

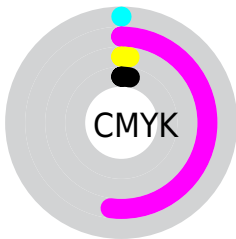
# Distribution



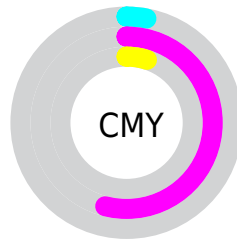
- Red (97%)
- Green (46%)
- Blue (95%)



- Red (97%)
- Yellow (46%)
- Blue (95%)



- Cyan (0%)
- Magenta (52%)
- Yellow (2%)
- Black (3%)




- Cyan (3%)
- Magenta (54%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2021, 0.3222, 0.2070 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 39.2021, 0.3222, 0.2070 by changing the saturation by 10% instead.





 39.2021, 0.3222,  
0.2070


 39.2021, 0.3222,  
0.2070


342.7490, 0.3200,  
0.2623


 26.9170, 0.3221,  
0.1949


 73.9470, 0.3219,  
0.2258

 17.5109, 0.3217,  
0.1802

 97.1755, 0.3216,  
0.2333

 10.5994, 0.3207,  
0.1623


 124.8206, 0.3214,  
0.2397

 5.7982, 0.3185,  
0.1399

157.2667, 0.3211,  
0.2454

 2.7227, 0.3139,  
0.1118

194.8982, 0.3208,  
0.2503

 0.9888, 0.3042,  
0.0768

238.0995, 0.3205,

 0.0000, 0.2933,

0.2548

0.0000

287.2550, 0.3202,  
0.2587

■ 0.0000, 0.2091,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.2021, 0.3222,  
0.2070

■ 39.2021, 0.3222,  
0.2070

■ 34.0826, 0.3240,  
0.1892

■ 45.8481, 0.3203,  
0.2279

■ 30.3627, 0.3256,  
0.1752


■ 54.1239, 0.3184,  
0.2510

■ 27.9041, 0.3270,  
0.1656


■ 64.1297, 0.3165,  
0.2752

■ 26.5376, 0.3282,  
0.1603


■ 75.9563, 0.3148,  
0.2997


 26.0302, 0.3289,  
0.1586

 89.6882, 0.3131,  
0.3238

 98.0490, 0.3120,  
0.3362

 98.0964, 0.3116,  
0.3354

 98.1440, 0.3111,  
0.3347

 98.1918, 0.3107,  
0.3339

# Harmonies

## Analogous

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



39.2021, 0.2221, 0.1760



39.2021, 0.3222, 0.2070



39.2021, 0.4398, 0.2609

# Triad

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



39.2021, 0.3222, 0.2070



39.2021, 0.4652, 0.4792



39.2021, 0.1414, 0.2756

# Complementary

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



39.2021, 0.3222, 0.2070



71.7842, 0.3031, 0.4918

# 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.



39.2021, 0.1871, 0.4000



39.2021, 0.3222, 0.2070



39.2021, 0.3732, 0.5370

# Square

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



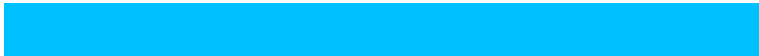
39.2021, 0.3222, 0.2070



39.2021, 0.5241, 0.4018



39.2021, 0.2720, 0.5166



39.2021, 0.1344, 0.2014



# Rectangle

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



39.2021, 0.3222, 0.2070



39.2021, 0.5008, 0.3048



39.2021, 0.2720, 0.5166



39.2021, 0.1520, 0.3124

# Sweetspot

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



39.2039, 0.3222, 0.2070



76.5934, 0.3154, 0.2904



23.6748, 0.2131, 0.1625



15.8316, 0.3158, 0.2854



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.



39.2039, 0.3222, 0.2070



36.2319, 0.3241, 0.1878



36.0412, 0.3886, 0.2637



16.7589, 0.3143, 0.3064



13.7692, 0.3288, 0.1585



1.2129, 0.3277, 0.1579



# Inverse Universe

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



39.2039, 0.3222, 0.2070



36.2319, 0.3241, 0.1878



73.8676, 0.2737, 0.4088



16.7589, 0.3143, 0.3064



13.7692, 0.3288, 0.1585



1.2129, 0.3277, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 39.2021, 0.3222, 0.2070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

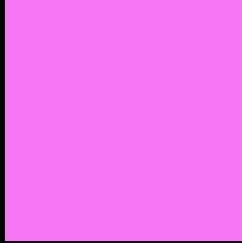
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2021, 0.3222, 0.2070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

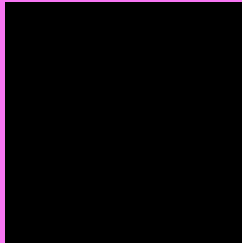
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2021, 0.3222, 0.2070**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2021, 0.3222, 0.2070.



This preview shows how white text looks on a background with the Yxy color 39.2021, 0.3222, 0.2070.

# 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

39.2021, 0.3222, 0.2070

### Protanopia

39.7267, 0.2303, 0.2187

### Deuteranopia

39.3816, 0.2470, 0.2402



## Tritanopia

39.1170, 0.4040, 0.3180

# Trichromacy



## Original Color

39.2021, 0.3222, 0.2070



## Protanomaly

37.6900, 0.2561, 0.2095



## Deuteranomaly

37.7352, 0.2701, 0.2230



## Tritanomaly

38.7610, 0.3737, 0.2734

# Monochromacy



## Original Color

39.2021, 0.3222, 0.2070



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

38.6298, 0.3172, 0.2732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2021, 0.3222, 0.2070 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(247, 118, 243)` looks like.

```
.text, #text, p{  
    color:rgb(247, 118, 243)  
}
```

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(247, 118, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 118, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2021, 0.3222, 0.2070 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(247, 118, 243) }
```

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

```
.border{ border-color:rgb(247, 118, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 118, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 118, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 118, 243);  
box-shadow:4px 4px 4px 4px rgb(247, 118,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2021, 0.3222, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 118, 243) }
```

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

```
.background{ background-color: rgb(247,  
118, 243) }
```

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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