

# Converting Colors

$Yxy(39.4019, 0.3230, 0.2082)$

Have a look what the booklet for  
Yxy(39.4019, 0.3230, 0.2082)  
contains.

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# Color

**Yxy(39.3786, 0.3231, 0.2086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F777F2
RGB	247, 119, 242
RGB Percent	97%, 47%, 95%
CMY	0.0312, 0.5334, 0.0509
CMYK	0.00, 0.52, 0.02, 0.03
HSL	302°, 89%, 72%
HSV	302°, 52%, 97%
XYZ	60.9934, 39.3786, 88.4036
YIQ	171.2940, 36.8050, 65.3890

# Conversions

## Conversions Part 2

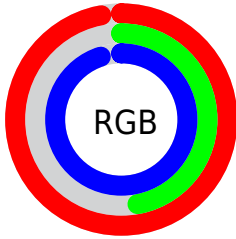
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 119, 242
Decimal	16218098
CIE Lab	69.02, 64.79, -39.99
CIE LCh	69, 76.133, 328.317
Yxy	39.3786, 0.3231, 0.2086
Android (android.graphics.Color)	4294408178 (0xFFFF777F2)
YUV	171.2940, 34.8581, 66.3942
Hunter-Lab	62.7524, 63.6800, -39.5993

# Details

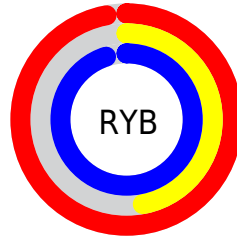
The Yxy color **39.3786, 0.3231, 0.2086** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **71.9205, 0.3027, 0.4891**, and the grayscale version is **40.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.6394, 0.3235, 0.1828** is the 20% darker color. If you saturate the color by 10%, you get **34.1884, 0.3251, 0.1907**, and if you desaturate by 10%, it is **46.1003, 0.3210, 0.2295**.

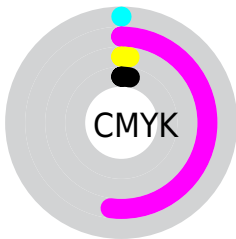
# Distribution



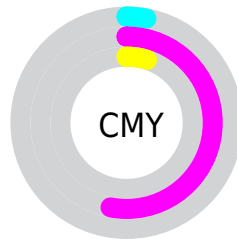
- Red (97%)
- Green (47%)
- Blue (95%)



- Red (97%)
- Yellow (47%)
- Blue (95%)



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




- Cyan (3%)
- Magenta (53%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3786, 0.3231, 0.2086 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 39.3786, 0.3231, 0.2086 by changing the saturation by 10% instead.





 39.3786, 0.3231,  
0.2086


 39.3786, 0.3231,  
0.2086


343.4975, 0.3204,  
0.2633


 27.0544, 0.3232,  
0.1966


 74.2163, 0.3226,  
0.2272

 17.6141, 0.3229,  
0.1821


 97.4986, 0.3223,  
0.2346

 10.6733, 0.3221,  
0.1642


 125.2024, 0.3219,  
0.2409

 5.8476, 0.3203,  
0.1420

157.7121, 0.3216,  
0.2465

 2.7526, 0.3162,  
0.1140

195.4120, 0.3213,  
0.2515

 1.0040, 0.3072,  
0.0788

238.6867, 0.3210,

 0.0000, 0.2980,

0.2558

0.0000

287.9203, 0.3207,  
0.2597

■ 0.0000, 0.2140,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.3786, 0.3231,  
0.2086

■ 39.3786, 0.3231,  
0.2086

■ 34.1884, 0.3251,  
0.1907

■ 46.1003, 0.3210,  
0.2295

■ 30.4034, 0.3270,  
0.1767


■ 54.4563, 0.3189,  
0.2525

■ 27.8860, 0.3287,  
0.1670


■ 64.5466, 0.3168,  
0.2766


■ 26.4686, 0.3301,  
0.1616


■ 76.4618, 0.3148,  
0.3009


 25.9163, 0.3312,  
0.1598

 90.2860, 0.3130,  
0.3247

 98.0680, 0.3119,  
0.3359

 98.1282, 0.3113,  
0.3350

 98.1887, 0.3108,  
0.3341

 98.2496, 0.3102,  
0.3331

# Harmonies

## Analogous

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



39.3786, 0.2238, 0.1776



39.3786, 0.3231, 0.2086



39.3786, 0.4390, 0.2622

# Triad

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



39.3786, 0.3231, 0.2086



39.3786, 0.4634, 0.4787



39.3786, 0.1430, 0.2757

# Complementary

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



39.3786, 0.3231, 0.2086



71.9205, 0.3027, 0.4891

# 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.



39.3786, 0.1882, 0.3980



39.3786, 0.3231, 0.2086



39.3786, 0.3723, 0.5346

# Square

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



39.3786, 0.3231, 0.2086



39.3786, 0.5216, 0.4023



39.3786, 0.2721, 0.5131



39.3786, 0.1361, 0.2026



# Rectangle

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



39.3786, 0.3231, 0.2086



39.3786, 0.4989, 0.3059



39.3786, 0.2721, 0.5131



39.3786, 0.1534, 0.3120

# Sweetspot

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



39.3804, 0.3231, 0.2086



76.5718, 0.3156, 0.2907



24.1339, 0.2153, 0.1645



15.8264, 0.3161, 0.2857



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.



39.3804, 0.3231, 0.2086



36.6180, 0.3252, 0.1903



36.2126, 0.3903, 0.2663



16.7564, 0.3144, 0.3066



13.7065, 0.3310, 0.1597



1.2081, 0.3296, 0.1589



# Inverse Universe

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



39.3804, 0.3231, 0.2086



36.6180, 0.3252, 0.1903



74.0651, 0.2729, 0.4052



16.7564, 0.3144, 0.3066



13.7065, 0.3310, 0.1597



1.2081, 0.3296, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 39.3786, 0.3231, 0.2086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

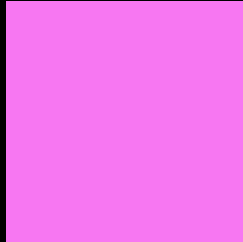
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.3786, 0.3231, 0.2086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

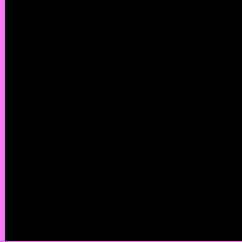
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.3786, 0.3231, 0.2086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.3786, 0.3231, 0.2086.

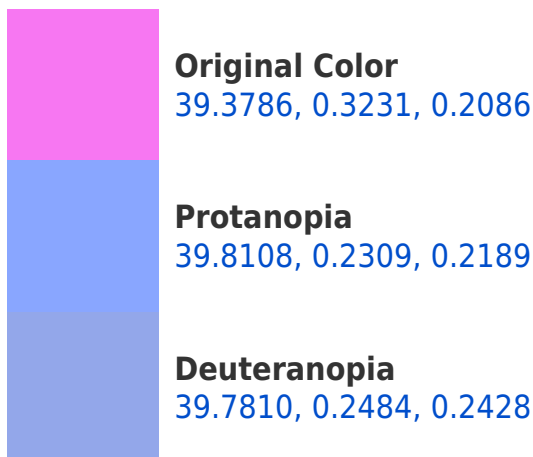


This preview shows how white text looks on a background with the Yxy color 39.3786, 0.3231, 0.2086.

# 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

39.1496, 0.4029, 0.3168

# Trichromacy



## Original Color

39.3786, 0.3231, 0.2086



## Protanomaly

37.7441, 0.2575, 0.2107



## Deuteranomaly

37.9944, 0.2709, 0.2251



## Tritanomaly

38.8031, 0.3726, 0.2724

# Monochromacy



## Original Color

39.3786, 0.3231, 0.2086



## 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 39.3786, 0.3231, 0.2086 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, 119, 242)` looks like.

```
.text, #text, p{  
    color:rgb(247, 119, 242)  
}
```

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, 119, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 119, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3786, 0.3231, 0.2086 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, 119, 242) }
```

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

```
.border{ border-color:rgb(247, 119, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 119, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 119, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 119, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 119,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3786, 0.3231, 0.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 119, 242) }
```

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

```
.background{ background-color: rgb(247,  
119, 242) }
```

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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