

# Converting Colors

Yxy(66.9572, 0.3129, 0.2780)

Have a look what the booklet for  
Yxy(66.9572, 0.3129, 0.2780)  
contains.

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# Color

**Yxy(66.8206, 0.3129, 0.2776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6C6F9
RGB	246, 198, 249
RGB Percent	96%, 78%, 98%
CMY	0.0351, 0.2236, 0.0234
CMYK	0.01, 0.20, 0.00, 0.02
HSL	297°, 81%, 88%
HSV	297°, 20%, 98%
XYZ	75.3176, 66.8206, 98.5700
YIQ	218.1660, 12.2370, 26.0370

# Conversions

## Conversions Part 2

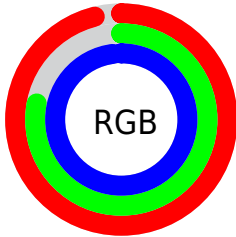
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 198, 249
Decimal	16172793
CIE Lab	85.41, 25.56, -18.62
CIE LCh	85, 31.628, 323.924
Yxy	66.8206, 0.3129, 0.2776
Android (android.graphics.Color)	4294362873 (0xFFFF6C6F9)
YUV	218.1660, 15.2012, 24.4104
Hunter-Lab	81.7439, 21.4155, -14.2735

# Details

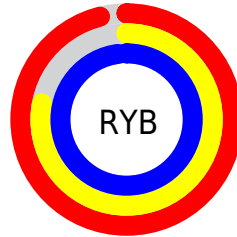
The Yxy color **66.8206, 0.3129, 0.2776** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.2526, 0.3119, 0.3856**, and the grayscale version is **70.1237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.5711, 0.3127, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **56.1009, 0.3128, 0.2522**, and if you desaturate by 10%, it is **79.4195, 0.3129, 0.3031**.

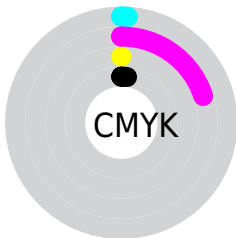
# Distribution



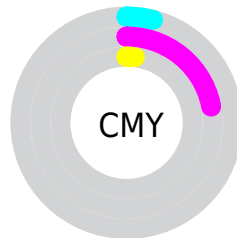
- Red (96%)
- Green (78%)
- Blue (98%)



- Red (96%)
- Yellow (78%)
- Blue (98%)



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)




- Cyan (4%)
- Magenta (22%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8206, 0.3129, 0.2776 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 66.8206, 0.3129, 0.2776 by changing the saturation by 10% instead.




 66.8206, 0.3129,  
0.2776

 66.8206, 0.3129,  
0.2776


449.3059, 0.3132,  
0.3007

 48.9388, 0.3127,  
0.2725


114.6633, 0.3131,  
0.2855

 34.5710, 0.3125,  
0.2662


145.3931, 0.3131,  
0.2886

 23.3326, 0.3121,  
0.2585


181.1743, 0.3132,  
0.2913

 14.8393, 0.3115,  
0.2485

222.3913, 0.3132,  
0.2936

 8.7067, 0.3104,  
0.2354

269.4286, 0.3132,  
0.2957

 4.5503, 0.3085,  
0.2173


322.6706, 0.3132,


 1.9859, 0.3048,


0.2976

0.1909


382.5015, 0.3132,  
0.2992


 0.5993, 0.2981,  
0.1435


 0.0000, 0.1588,  
0.0000


 66.8206, 0.3129,  
0.2776


 66.8206, 0.3129,  
0.2776

 56.1009, 0.3128,  
0.2522


 79.4195, 0.3129,  
0.3031


 47.1604, 0.3124,  
0.2276

 93.9741, 0.3127,  
0.3278

 39.9029, 0.3118,  
0.2049

 98.7588, 0.3133,  
0.3347

 34.2197, 0.3110,  
0.1850

 99.0275, 0.3142,  
0.3347

■ 29.9894, 0.3100,  
0.1689

■ 99.2982, 0.3151,  
0.3347

■ 27.0727, 0.3089,  
0.1571

■ 99.5710, 0.3160,  
0.3347

■ 25.3034, 0.3075,  
0.1496

■ 99.6211, 0.3162,  
0.3347

■ 24.4299, 0.3061,  
0.1460

# Harmonies

## Analogous

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



66.8206, 0.2757, 0.2660



66.8206, 0.3129, 0.2776



66.8206, 0.3523, 0.3009

# Triad

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



66.8206, 0.3129, 0.2776



66.8206, 0.3779, 0.3886



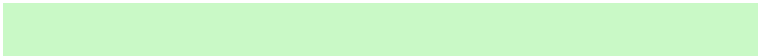
66.8206, 0.2481, 0.3205

# Complementary

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



66.8206, 0.3129, 0.2776



84.2526, 0.3119, 0.3856

# 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.



66.8206, 0.2726, 0.3588



66.8206, 0.3129, 0.2776



66.8206, 0.3474, 0.3996

# Square

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



66.8206, 0.3129, 0.2776



66.8206, 0.3910, 0.3630



66.8206, 0.3087, 0.3891



66.8206, 0.2401, 0.2879



# Rectangle

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



66.8206, 0.3129, 0.2776



66.8206, 0.3737, 0.3207



66.8206, 0.3087, 0.3891



66.8206, 0.2545, 0.3332

# Sweetspot

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



66.8235, 0.3129, 0.2776



90.4556, 0.3128, 0.3143



60.7955, 0.2785, 0.2760



19.1487, 0.3128, 0.3127



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.



66.8235, 0.3129, 0.2776



65.1556, 0.3129, 0.2660



66.0636, 0.3313, 0.2994



17.4702, 0.3129, 0.3056



13.0960, 0.3064, 0.1462



1.2281, 0.3082, 0.1472



# Inverse Universe

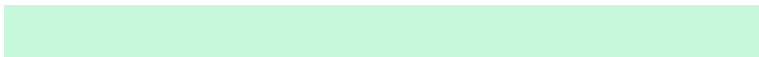
The Inverse Universe completely reimagines the original color for something new.



64.7371, 0.3515, 0.3260



62.5687, 0.3627, 0.3253



84.9422, 0.2976, 0.3607



17.2415, 0.3285, 0.3277



10.8045, 0.6341, 0.3267



1.0062, 0.6199, 0.3189



# Previews

## White Background



This preview shows how the Yxy color 66.8206, 0.3129, 0.2776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

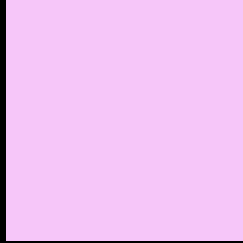
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8206, 0.3129, 0.2776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

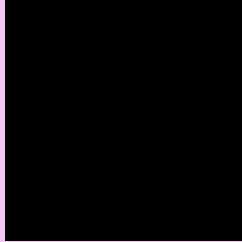
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.8206, 0.3129, 0.2776**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8206, 0.3129, 0.2776.

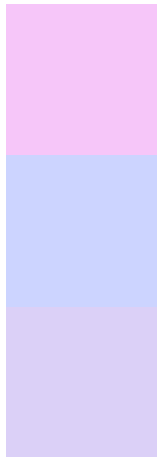


This preview shows how white text looks on a background with the Yxy color 66.8206, 0.3129, 0.2776.

# 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

66.8206, 0.3129, 0.2776

### Protanopia

67.1443, 0.2797, 0.2825

### Deuteranopia

66.8872, 0.2946, 0.2874



## Tritanopia

66.7036, 0.3312, 0.3122

# Trichromacy



## Original Color

66.8206, 0.3129, 0.2776



## Protanomaly

66.7776, 0.2907, 0.2803



## Deuteranomaly

66.6211, 0.3010, 0.2830



## Tritanomaly

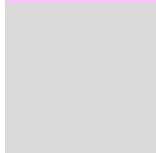
66.5411, 0.3241, 0.2990

# Monochromacy



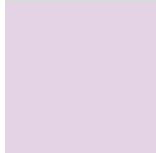
## Original Color

66.8206, 0.3129, 0.2776



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

68.7397, 0.3129, 0.3098

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8206, 0.3129, 0.2776 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(246, 198, 249)` looks like.

```
.text, #text, p{  
    color:rgb(246, 198, 249)  
}
```

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(246, 198, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 198, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8206, 0.3129, 0.2776 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(246, 198, 249) }
```

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

```
.border{ border-color:rgb(246, 198, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 198, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 198, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 198, 249);  
box-shadow:4px 4px 4px 4px rgb(246, 198,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8206, 0.3129, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 198, 249) }
```

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

```
.background{ background-color: rgb(246,  
198, 249) }
```

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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