

# Converting Colors

$Yxy(69.9101, 0.3083, 0.2780)$

Have a look what the booklet for  
Yxy(69.9101, 0.3083, 0.2780)  
contains.

<b>Yxy(69.9986, 0.3085, 0.2781)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.9986, 0.3085, 0.2781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6CCFF
RGB	246, 204, 255
RGB Percent	96%, 80%, 100%
CMY	0.0353, 0.2000, 0.0000
CMYK	0.04, 0.20, 0.00, 0.00
HSL	289°, 100%, 90%
HSV	289°, 20%, 100%
XYZ	77.6504, 69.9986, 104.0540
YIQ	222.3720, 8.6610, 24.7650

# Conversions

## Conversions Part 2

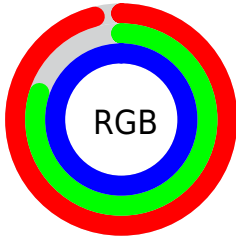
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 204, 255
Decimal	16174335
CIE Lab	87.00, 23.47, -19.42
CIE LCh	87, 30.461, 320.394
Yxy	69.9986, 0.3085, 0.2781
Android (android.graphics.Color)	4294364415 (0xFFFF6CCFF)
YUV	222.3720, 16.0856, 20.7218
Hunter-Lab	83.6652, 19.2534, -15.1731

# Details

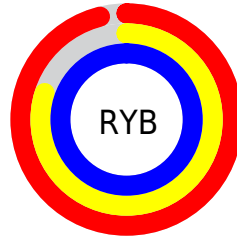
The Yxy color **69.9986, 0.3085, 0.2781** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.0281, 0.3157, 0.3835**, and the grayscale version is **73.2024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7087, 0.3070, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **58.0486, 0.3057, 0.2517**, and if you desaturate by 10%, it is **83.9543, 0.3108, 0.3041**.

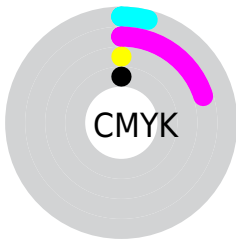
# Distribution



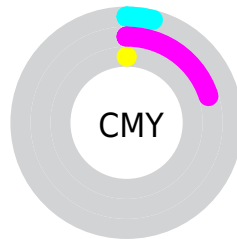
- Red (96%)
- Green (80%)
- Blue (100%)



- Red (96%)
- Yellow (80%)
- Blue (100%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9986, 0.3085, 0.2781 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 69.9986, 0.3085, 0.2781 by changing the saturation by 10% instead.




 69.9986, 0.3085,  
0.2781

 69.9986, 0.3085,  
0.2781


460.5451, 0.3108,  
0.3008

 51.5254, 0.3079,  
0.2731


119.2068, 0.3094,  
0.2858

 36.6269, 0.3071,  
0.2670


150.7105, 0.3097,  
0.2889

 24.9188, 0.3060,  
0.2595


187.3265, 0.3100,  
0.2915

 16.0165, 0.3045,  
0.2499

229.4393, 0.3102,  
0.2939

 9.5359, 0.3023,  
0.2372

277.4331, 0.3104,  
0.2959

 5.0923, 0.2989,  
0.2199

331.6924, 0.3106,

 2.3015, 0.2929,

0.2977

0.1949

392.6016, 0.3107,  
0.2994

0.7745, 0.2813,  
0.1555

0.0000, 0.2050,  
0.0000

69.9986, 0.3085,  
0.2781

69.9986, 0.3085,  
0.2781

58.0486, 0.3057,  
0.2517

83.9543, 0.3108,  
0.3041

48.0055, 0.3024,  
0.2255

100.0000, 0.3127,  
0.3290

39.7652, 0.2986,  
0.2008

33.2131, 0.2943,  
0.1784

■ 28.2210, 0.2898,  
0.1596

■ 24.6422, 0.2851,  
0.1450

■ 22.3020, 0.2804,  
0.1351

■ 20.9147, 0.2757,  
0.1292

■ 20.9144, 0.2757,  
0.1292

# Harmonies

## Analogous

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



69.9986, 0.2740, 0.2686



69.9986, 0.3085, 0.2781



69.9986, 0.3461, 0.2992

# Triad

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



69.9986, 0.3085, 0.2781



69.9986, 0.3771, 0.3834



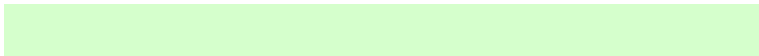
69.9986, 0.2532, 0.3252

# Complementary

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



69.9986, 0.3085, 0.2781



90.0281, 0.3157, 0.3835

# 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.



69.9986, 0.2783, 0.3612



69.9986, 0.3085, 0.2781



69.9986, 0.3497, 0.3957

# Square

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



69.9986, 0.3085, 0.2781



69.9986, 0.3870, 0.3581



69.9986, 0.3134, 0.3881



69.9986, 0.2436, 0.2932



# Rectangle

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



69.9986, 0.3085, 0.2781



69.9986, 0.3674, 0.3178



69.9986, 0.3134, 0.3881



69.9986, 0.2600, 0.3374

# Sweetspot

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



69.9994, 0.3085, 0.2781



90.1146, 0.3116, 0.3142



67.8250, 0.2798, 0.2840



19.0679, 0.3115, 0.3126



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.



69.9994, 0.3085, 0.2781



64.9814, 0.3075, 0.2676



70.6714, 0.3265, 0.2943



18.1285, 0.3110, 0.3054



10.9874, 0.2765, 0.1297



1.1104, 0.2818, 0.1326



# Inverse Universe

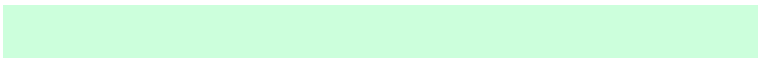
The Inverse Universe completely reimagines the original color for something new.



69.2530, 0.3457, 0.3199



64.1437, 0.3542, 0.3180



89.5335, 0.3012, 0.3664



18.0395, 0.3266, 0.3248



11.2231, 0.6138, 0.3155

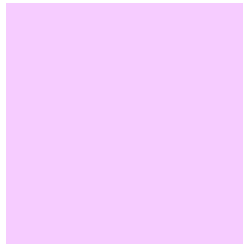


1.1064, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 69.9986, 0.3085, 0.2781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

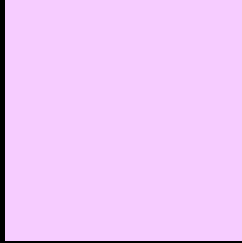
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9986, 0.3085, 0.2781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

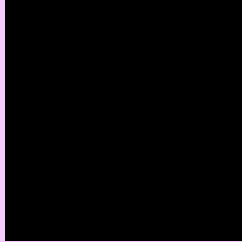
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

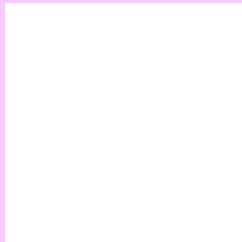
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9986, 0.3085, 0.2781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9986, 0.3085, 0.2781.

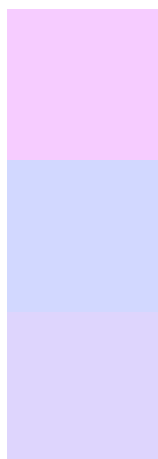


This preview shows how white text looks on a background with the Yxy color 69.9986, 0.3085, 0.2781.

# 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

69.9986, 0.3085, 0.2781

### Protanopia

70.0334, 0.2839, 0.2874

### Deuteranopia

70.2099, 0.2930, 0.2871



## Tritanopia

69.9692, 0.3255, 0.3114

# Trichromacy



## Original Color

69.9986, 0.3085, 0.2781

## Protanomaly

69.9949, 0.2924, 0.2841

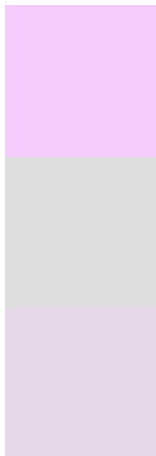
## Deuteranomaly

70.2379, 0.2985, 0.2837

## Tritanomaly

69.7948, 0.3186, 0.2982

# Monochromacy



## Original Color

69.9986, 0.3085, 0.2781

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

71.5303, 0.3115, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9986, 0.3085, 0.2781 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 204, 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(246, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9986, 0.3085, 0.2781 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, 204, 255) }
```

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

```
.border{ border-color:rgb(246, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(246, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9986, 0.3085, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 204, 255) }
```

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

```
.background{ background-color: rgb(246,  
204, 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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