

# Converting Colors

$Y_{xy}(72.4853, 0.3280, 0.2786)$

Have a look what the booklet for  
Yxy(72.4853, 0.3280, 0.2786)  
contains.

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# Color

**Yxy(69.6604, 0.3166, 0.2770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8FD
RGB	255, 200, 253
RGB Percent	100%, 78%, 99%
CMY	0.0001, 0.2156, 0.0077
CMYK	0.00, 0.22, 0.01, 0.00
HSL	302°, 100%, 89%
HSV	302°, 22%, 100%
XYZ	79.6191, 69.6604, 102.2021
YIQ	222.4870, 15.7670, 28.1430

# Conversions

## Conversions Part 2

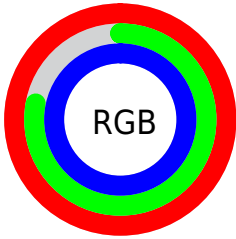
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 200, 253
Decimal	16763133
CIE Lab	86.83, 28.10, -18.53
CIE LCh	87, 33.661, 326.600
Yxy	69.6604, 0.3166, 0.2770
Android (android.graphics.Color)	4294953213 (0xFFFFC8FD)
YUV	222.4870, 15.0429, 28.5139
Hunter-Lab	83.4628, 24.2196, -14.1780

# Details

The Yxy color **69.6604, 0.3166, 0.2770** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0446, 0.3088, 0.3872**, and the grayscale version is **73.2937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5491, 0.3176, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **58.7634, 0.3186, 0.2528**, and if you desaturate by 10%, it is **82.5331, 0.3147, 0.3014**.

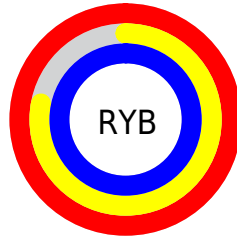
# Distribution



Red (100%)

Green (78%)

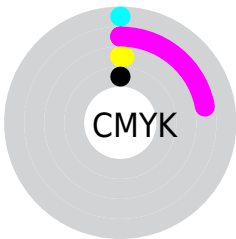
Blue (99%)



Red (100%)

Yellow (78%)

Blue (99%)

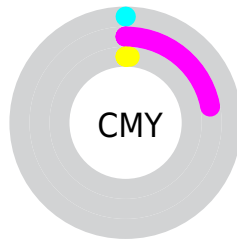


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6604, 0.3166, 0.2770 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 69.6604, 0.3166, 0.2770 by changing the saturation by 10% instead.




 69.6604, 0.3166,  
0.2770

 69.6604, 0.3166,  
0.2770


459.3567, 0.3152,  
0.3002

 51.2497, 0.3168,  
0.2719


118.7243, 0.3162,  
0.2849

 36.4074, 0.3170,  
0.2657


150.1464, 0.3160,  
0.2880

 24.7490, 0.3172,  
0.2581


186.6743, 0.3159,  
0.2907

 15.8901, 0.3174,  
0.2483

228.6926, 0.3157,  
0.2930

 9.4465, 0.3174,  
0.2356

276.5856, 0.3156,  
0.2951

 5.0335, 0.3171,  
0.2181

330.7377, 0.3155,

 2.2669, 0.3158,

0.2970

0.1929

391.5332, 0.3153,  
0.2987

0.7561, 0.3119,  
0.1532

0.0000, 0.2784,  
0.0000

69.6604, 0.3166,  
0.2770

69.6604, 0.3166,  
0.2770

58.7634, 0.3186,  
0.2528

82.5331, 0.3147,  
0.3014

49.7353, 0.3206,  
0.2297

97.4632, 0.3130,  
0.3254

42.4733, 0.3226,  
0.2086

99.9944, 0.3127,  
0.3290

36.8611, 0.3245,  
0.1906

■ 32.7681, 0.3263,  
0.1764

■ 30.0443, 0.3279,  
0.1666

■ 28.5093, 0.3292,  
0.1611

■ 27.9063, 0.3301,  
0.1592

# Harmonies

## Analogous

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



69.6604, 0.2770, 0.2636



69.6604, 0.3166, 0.2770



69.6604, 0.3576, 0.3022

# Triad

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



69.6604, 0.3166, 0.2770



69.6604, 0.3788, 0.3932



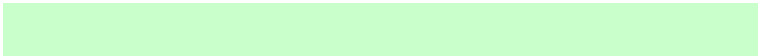
69.6604, 0.2435, 0.3164

# Complementary

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



69.6604, 0.3166, 0.2770



88.0446, 0.3088, 0.3872

# 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.



69.6604, 0.2677, 0.3568



69.6604, 0.3166, 0.2770



69.6604, 0.3455, 0.4032

# Square

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



69.6604, 0.3166, 0.2770



69.6604, 0.3946, 0.3672



69.6604, 0.3047, 0.3902



69.6604, 0.2369, 0.2834



# Rectangle

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



69.6604, 0.3166, 0.2770



69.6604, 0.3792, 0.3231



69.6604, 0.3047, 0.3902



69.6604, 0.2498, 0.3297

# Sweetspot

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



69.6634, 0.3166, 0.2770



90.5889, 0.3137, 0.3148



61.0685, 0.2774, 0.2689



19.1804, 0.3138, 0.3133



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.



69.6634, 0.3166, 0.2770



64.5964, 0.3175, 0.2662



68.0420, 0.3367, 0.3031



18.2886, 0.3144, 0.3064



14.5904, 0.3300, 0.1591



1.4240, 0.3288, 0.1585



# Inverse Universe

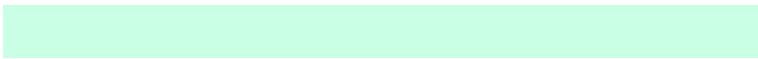
The Inverse Universe completely reimagines the original color for something new.



69.6634, 0.3166, 0.2770



64.5964, 0.3175, 0.2662



89.4578, 0.2939, 0.3565



18.2886, 0.3144, 0.3064



14.5904, 0.3300, 0.1591



1.4240, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 69.6604, 0.3166, 0.2770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

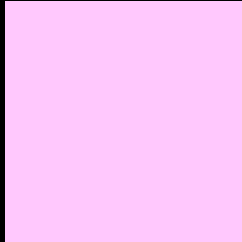
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6604, 0.3166, 0.2770 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 69.6604, 0.3166, 0.2770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6604, 0.3166, 0.2770.



This preview shows how white text looks on a background with the Yxy color 69.6604, 0.3166, 0.2770.

# 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

69.6604, 0.3166, 0.2770

### Protanopia

69.8870, 0.2832, 0.2873

### Deuteranopia

69.7400, 0.2949, 0.2881



## Tritanopia

69.9258, 0.3356, 0.3127

# Trichromacy



## Original Color

69.6604, 0.3166, 0.2770



## Protanomaly

69.4177, 0.2950, 0.2833



## Deuteranomaly

69.8022, 0.3026, 0.2839



## Tritanomaly

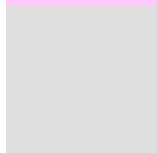
69.7644, 0.3285, 0.2998

# Monochromacy



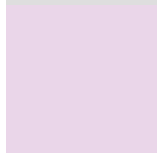
## Original Color

69.6604, 0.3166, 0.2770



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

71.4688, 0.3144, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6604, 0.3166, 0.2770 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(255, 200, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 253)  
}
```

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(255, 200, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6604, 0.3166, 0.2770 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(255, 200, 253) }
```

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

```
.border{ border-color:rgb(255, 200, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6604, 0.3166, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 253) }
```

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

```
.background{ background-color: rgb(255,  
200, 253) }
```

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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