

# Converting Colors

$Y_{xy}(72.0258, 0.3369, 0.2739)$

Have a look what the booklet for  
Yxy(72.0258, 0.3369, 0.2739)  
contains.

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# Color

**Yxy(66.4918, 0.3170, 0.2701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1FD
RGB	255, 193, 253
RGB Percent	100%, 76%, 99%
CMY	0.0000, 0.2431, 0.0079
CMYK	0.00, 0.24, 0.01, 0.00
HSL	302°, 100%, 88%
HSV	302°, 24%, 100%
XYZ	78.0374, 66.4918, 101.6456
YIQ	218.3780, 17.6920, 31.8040

# Conversions

## Conversions Part 2

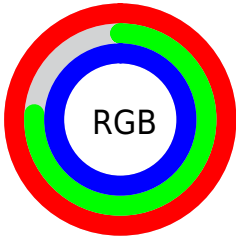
Format	Color
R <sub>Y</sub> B	255, 193, 253
Decimal	16761341
CIE Lab	85.25, 31.78, -20.90
CIE LCh	85, 38.043, 326.669
Yxy	66.4918, 0.3170, 0.2701
Android (android.graphics.Color)	4294951421 (0xFFFFC1FD)
YUV	218.3780, 17.0686, 32.1175
Hunter-Lab	81.5425, 28.1278, -16.8273

# Details

The Yxy color **66.4918, 0.3170, 0.2701** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.7965, 0.3084, 0.3959**, and the grayscale version is **70.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **34.4565, 0.3181, 0.2580** is the 20% darker color. If you saturate the color by 10%, you get **56.1229, 0.3189, 0.2460**, and if you desaturate by 10%, it is **78.8103, 0.3152, 0.2946**.

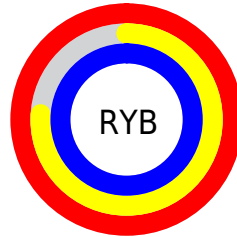
# Distribution



Red (100%)

Green (76%)

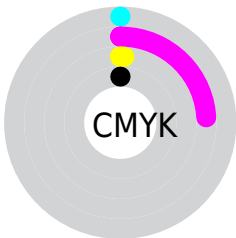
Blue (99%)



Red (100%)

Yellow (76%)

Blue (99%)

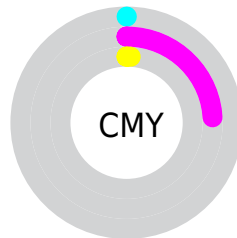


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4918, 0.3170, 0.2701 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 66.4918, 0.3170, 0.2701 by changing the saturation by 10% instead.





 66.4918, 0.3170,  
0.2701

 66.4918, 0.3170,  
0.2701


448.1337, 0.3156,  
0.2964

 48.6717, 0.3172,  
0.2643


 114.1919, 0.3166,  
0.2790

 34.3592, 0.3174,  
0.2573


144.8408, 0.3164,  
0.2826

 23.1697, 0.3176,  
0.2486


180.5346, 0.3162,  
0.2856

 14.7188, 0.3176,  
0.2376

221.6580, 0.3161,  
0.2883

 8.6223, 0.3174,  
0.2231

268.5952, 0.3159,  
0.2907

 4.4956, 0.3167,  
0.2034


321.7306, 0.3158,


 1.9545, 0.3145,

0.2928

0.1752


381.4486, 0.3157,  
0.2947


 0.5808, 0.3103,  
0.1262


 0.0000, 0.2369,  
0.0000


 66.4918, 0.3170,  
0.2701


 66.4918, 0.3170,  
0.2701

 56.1229, 0.3189,  
0.2460


 78.8103, 0.3152,  
0.2946

 47.5953, 0.3209,  
0.2233

 93.1624, 0.3134,  
0.3188

 40.8033, 0.3228,  
0.2030

99.9992, 0.3127,  
0.3290

 35.6269, 0.3246,  
0.1859

■ 31.9310, 0.3262,  
0.1729

■ 29.5586, 0.3276,  
0.1642

■ 28.3173, 0.3287,  
0.1599

■ 27.9604, 0.3293,  
0.1588

# Harmonies

## Analogous

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



66.4918, 0.2718, 0.2549



66.4918, 0.3170, 0.2701



66.4918, 0.3643, 0.2984

# Triad

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



66.4918, 0.3170, 0.2701



66.4918, 0.3881, 0.4022



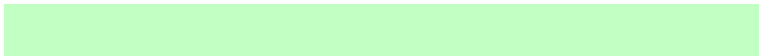
66.4918, 0.2339, 0.3139

# Complementary

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



66.4918, 0.3170, 0.2701



86.7965, 0.3084, 0.3959

# 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.



66.4918, 0.2610, 0.3608



66.4918, 0.3170, 0.2701



66.4918, 0.3496, 0.4146

# Square

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



66.4918, 0.3170, 0.2701



66.4918, 0.4067, 0.3718



66.4918, 0.3030, 0.4000



66.4918, 0.2267, 0.2763



# Rectangle

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



66.4918, 0.3170, 0.2701



66.4918, 0.3892, 0.3219



66.4918, 0.3030, 0.4000



66.4918, 0.2409, 0.3292

# Sweetspot

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



66.4947, 0.3170, 0.2701



89.0982, 0.3139, 0.3124



56.8385, 0.2716, 0.2599



18.8799, 0.3140, 0.3109



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.



66.4947, 0.3170, 0.2701



61.3954, 0.3179, 0.2587



64.7292, 0.3397, 0.2986



18.2897, 0.3143, 0.3063



14.6150, 0.3292, 0.1587



1.4261, 0.3281, 0.1581



# Inverse Universe

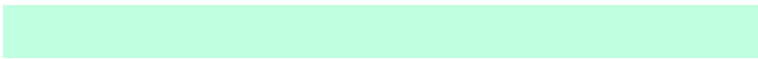
The Inverse Universe completely reimagines the original color for something new.



66.4947, 0.3170, 0.2701



61.3954, 0.3179, 0.2587



88.2942, 0.2922, 0.3616



18.2897, 0.3143, 0.3063



14.6150, 0.3292, 0.1587



1.4261, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 66.4918, 0.3170, 0.2701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

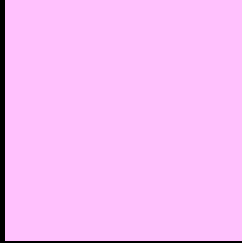
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4918, 0.3170, 0.2701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

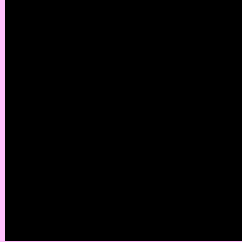
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.4918, 0.3170, 0.2701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4918, 0.3170, 0.2701.

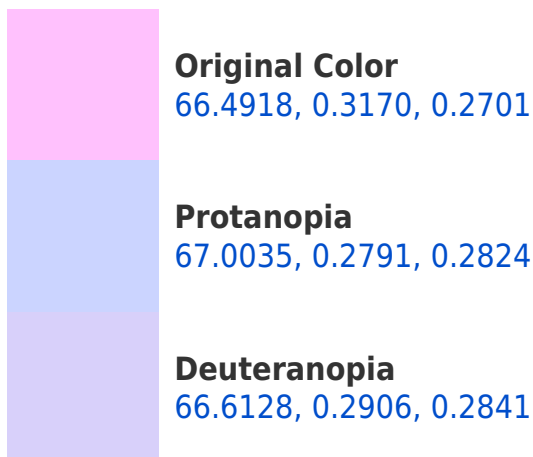


This preview shows how white text looks on a background with the Yxy color 66.4918, 0.3170, 0.2701.

# 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

66.5388, 0.3409, 0.3136

# Trichromacy



## Original Color

66.4918, 0.3170, 0.2701



## Protanomaly

66.3480, 0.2921, 0.2775



## Deuteranomaly

66.4999, 0.2997, 0.2791



## Tritanomaly

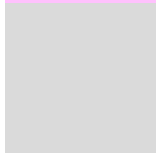
66.2851, 0.3322, 0.2965

# Monochromacy



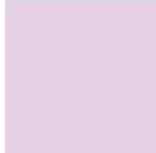
## Original Color

66.4918, 0.3170, 0.2701



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

68.3594, 0.3138, 0.3057

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4918, 0.3170, 0.2701 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, 193, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 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, 193, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4918, 0.3170, 0.2701 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, 193, 253) }
```

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

```
.border{ border-color:rgb(255, 193, 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, 193, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4918, 0.3170, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 253) }
```

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

```
.background{ background-color: rgb(255,  
193, 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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