

# Converting Colors

$Y_{xy}(73.5439, 0.3807, 0.2678)$

Have a look what the booklet for  
Yxy(73.5439, 0.3807, 0.2678)  
contains.

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# Color

**Yxy(57.1012, 0.3228, 0.2539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFABF7
RGB	255, 171, 247
RGB Percent	100%, 67%, 97%
CMY	0.0000, 0.3294, 0.0313
CMYK	0.00, 0.33, 0.03, 0.00
HSL	306°, 100%, 84%
HSV	306°, 33%, 100%
XYZ	72.5966, 57.1012, 95.1987
YIQ	204.7800, 25.6680, 41.4440

# Conversions

## Conversions Part 2

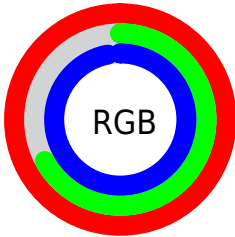
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 171, 247
Decimal	16755703
CIE Lab	80.24, 42.24, -25.32
CIE LCh	80, 49.244, 329.059
Yxy	57.1012, 0.3228, 0.2539
Android (android.graphics.Color)	4294945783 (0xFFFFABF7)
YUV	204.7800, 20.8145, 44.0429
Hunter-Lab	75.5653, 39.2478, -21.7989

# Details

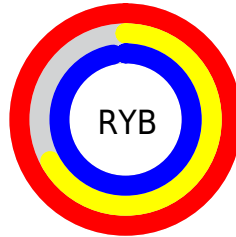
The Yxy color **57.1012, 0.3228, 0.2539** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.4317, 0.3040, 0.4179**, and the grayscale version is **60.7552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **28.3106, 0.3247, 0.2376** is the 20% darker color. If you saturate the color by 10%, you get **48.2302, 0.3264, 0.2320**, and if you desaturate by 10%, it is **67.8312, 0.3194, 0.2768**.

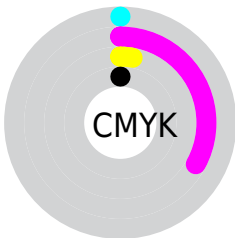
# Distribution



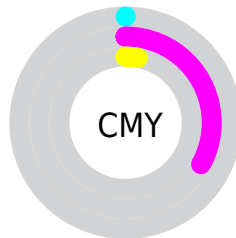
- Red (100%)
- Green (67%)
- Blue (97%)



- Red (100%)
- Yellow (67%)
- Blue (97%)



- Cyan (0%)
- Magenta (33%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1012, 0.3228, 0.2539 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 57.1012, 0.3228, 0.2539 by changing the saturation by 10% instead.



 57.1012, 0.3228,  
0.2539

 57.1012, 0.3228,  
0.2539

413.8284, 0.3189,  
0.2877

 41.0865, 0.3235,  
0.2464


 100.6128, 0.3216,  
0.2654

 28.3867, 0.3242,  
0.2374


128.8786, 0.3211,  
0.2700

 18.6173, 0.3251,  
0.2261


161.9967, 0.3207,  
0.2739

 11.3941, 0.3258,  
0.2117

200.3518, 0.3202,  
0.2774

 6.3326, 0.3265,  
0.1930

244.3281, 0.3199,  
0.2804

 3.0483, 0.3264,  
0.1675


294.3100, 0.3195,


 1.1570, 0.3243,


0.2831

0.1317


350.6820, 0.3192,  
0.2855

 0.0262, 0.3397,  
0.0083


 0.0000, 0.0062,  
0.0000

 57.1012, 0.3228,  
0.2539


 57.1012, 0.3228,  
0.2539

 48.2302, 0.3264,  
0.2320


 67.8312, 0.3194,  
0.2768

 41.1126, 0.3303,  
0.2121

 80.5204, 0.3163,  
0.2999

 35.6296, 0.3341,  
0.1952

 95.2600, 0.3135,  
0.3225

 31.6484, 0.3379,  
0.1822

100.0000, 0.3127,  
0.3290

■ 29.0155, 0.3415,  
0.1735

■ 27.5448, 0.3448,  
0.1693

■ 27.0152, 0.3469,  
0.1685

# Harmonies

## Analogous

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



57.1012, 0.2615, 0.2326



57.1012, 0.3228, 0.2539



57.1012, 0.3873, 0.2911

# Triad

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



57.1012, 0.3228, 0.2539



57.1012, 0.4095, 0.4283



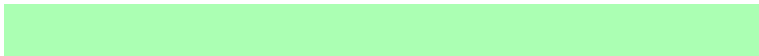
57.1012, 0.2064, 0.3017

# Complementary

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



57.1012, 0.3228, 0.2539



83.4317, 0.3040, 0.4179

# 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.



57.1012, 0.2389, 0.3672



57.1012, 0.3228, 0.2539



57.1012, 0.3554, 0.4469

# Square

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



57.1012, 0.3228, 0.2539



57.1012, 0.4390, 0.3866



57.1012, 0.2929, 0.4253



57.1012, 0.1999, 0.2540



# Rectangle

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



57.1012, 0.3228, 0.2539



57.1012, 0.4205, 0.3216



57.1012, 0.2929, 0.4253



57.1012, 0.2144, 0.3224

# Sweetspot

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



57.1007, 0.3228, 0.2539



84.6405, 0.3154, 0.3066



45.8093, 0.2580, 0.2319



17.6906, 0.3158, 0.3034



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.



57.1007, 0.3228, 0.2539



50.6533, 0.3253, 0.2383



54.8408, 0.3575, 0.2929



18.2688, 0.3153, 0.3078



14.1283, 0.3465, 0.1682



1.3839, 0.3432, 0.1664



# Inverse Universe

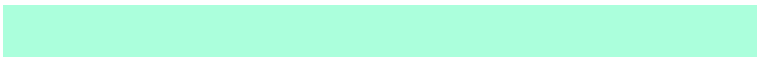
The Inverse Universe completely reimagines the original color for something new.



57.1007, 0.3228, 0.2539



50.6533, 0.3253, 0.2383



85.3448, 0.2828, 0.3686



18.2688, 0.3153, 0.3078



14.1283, 0.3465, 0.1682



1.3839, 0.3432, 0.1664



# Previews

## White Background



This preview shows how the Yxy color 57.1012, 0.3228, 0.2539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

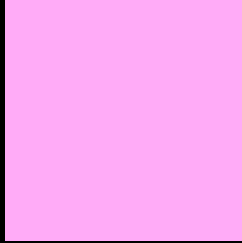
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1012, 0.3228, 0.2539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

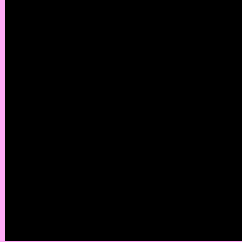
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.1012, 0.3228, 0.2539**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1012, 0.3228, 0.2539.

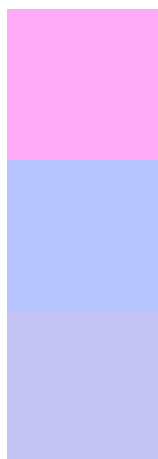


This preview shows how white text looks on a background with the Yxy color 57.1012, 0.3228, 0.2539.

# 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

57.1012, 0.3228, 0.2539

### Protanopia

57.3429, 0.2654, 0.2633

### Deuteranopia

57.3716, 0.2811, 0.2747



## Tritanopia

56.9443, 0.3592, 0.3142

# Trichromacy



## Original Color

57.1012, 0.3228, 0.2539



## Protanomaly

56.6964, 0.2842, 0.2594



## Deuteranomaly

56.5549, 0.2955, 0.2661



## Tritanomaly

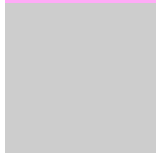
56.8086, 0.3461, 0.2906

# Monochromacy



## Original Color

57.1012, 0.3228, 0.2539



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

58.9952, 0.3165, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1012, 0.3228, 0.2539 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, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 247)  
}
```

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, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1012, 0.3228, 0.2539 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, 171, 247) }
```

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

```
.border{ border-color:rgb(255, 171, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1012, 0.3228, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 247) }
```

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

```
.background{ background-color: rgb(255,  
171, 247) }
```

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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