

# Converting Colors

$Y_{xy}(60.1372, 0.3545, 0.2835)$

Have a look what the booklet for  
Yxy(60.1372, 0.3545, 0.2835)  
contains.

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# Color

**Yxy(57.1939, 0.3429, 0.2812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAFDE
RGB	255, 175, 222
RGB Percent	100%, 69%, 87%
CMY	0.0001, 0.3136, 0.1295
CMYK	0.00, 0.31, 0.13, 0.00
HSL	325°, 100%, 84%
HSV	325°, 31%, 100%
XYZ	69.7432, 57.1939, 76.4551
YIQ	204.2780, 32.5930, 31.5770

# Conversions

## Conversions Part 2

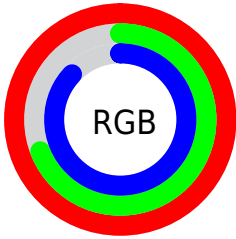
Format	Color
R <sub>Y</sub> B	255, 175, 222
Decimal	16756702
CIE Lab	80.29, 35.94, -11.75
CIE LCh	80, 37.816, 341.897
Yxy	57.1939, 0.3429, 0.2812
Android (android.graphics.Color)	4294946782 (0xFFFFAFDE)
YUV	204.2780, 8.7369, 44.4832
Hunter-Lab	75.6266, 32.2668, -7.0009

# Details

The Yxy color **57.1939, 0.3429, 0.2812** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.1708, 0.2911, 0.3824**, and the grayscale version is **60.4978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **28.3351, 0.3500, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **47.6426, 0.3563, 0.2658**, and if you desaturate by 10%, it is **68.6594, 0.3314, 0.2969**.

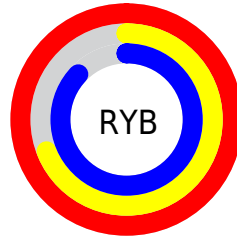
# Distribution



Red (100%)

Green (69%)

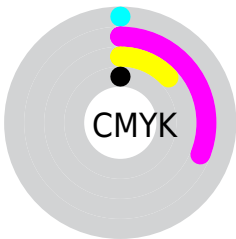
Blue (87%)



Red (100%)

Yellow (69%)

Blue (87%)

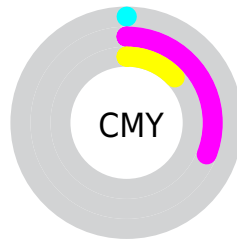


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1939, 0.3429, 0.2812 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 57.1939, 0.3429, 0.2812 by changing the saturation by 10% instead.





 57.1939, 0.3429,  
0.2812

 57.1939, 0.3429,  
0.2812


414.1755, 0.3288,  
0.3033

 41.1609, 0.3462,  
0.2761


 100.7481, 0.3380,  
0.2889

 28.4449, 0.3502,  
0.2699


129.0380, 0.3361,  
0.2919

 18.6613, 0.3553,  
0.2620


162.1825, 0.3344,  
0.2944

 11.4258, 0.3621,  
0.2517

200.5658, 0.3330,  
0.2967

 6.3540, 0.3714,  
0.2377

244.5724, 0.3318,  
0.2986

 3.0615, 0.3849,  
0.2177

294.5866, 0.3307,

 1.1639, 0.4063,

0.3004

0.1870

350.9928, 0.3297,  
0.3019

0.0319, 0.5059,  
0.0178

0.0000, 0.0000,  
0.0000

57.1939, 0.3429,  
0.2812

57.1939, 0.3429,  
0.2812

47.6426, 0.3563,  
0.2658

68.6594, 0.3314,  
0.2969

39.8912, 0.3717,  
0.2514

82.1293, 0.3218,  
0.3123

33.8256, 0.3889,  
0.2392

97.6974, 0.3137,  
0.3271

29.3149, 0.4075,  
0.2305

99.9938, 0.3127,  
0.3290

■ 26.2090, 0.4270,  
0.2262

■ 24.3273, 0.4464,  
0.2274

■ 23.4478, 0.4626,  
0.2322

# Harmonies

## Analogous

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



57.1939, 0.2927, 0.2580



57.1939, 0.3429, 0.2812



57.1939, 0.3873, 0.3154

# Triad

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



57.1939, 0.3429, 0.2812



57.1939, 0.3727, 0.4151



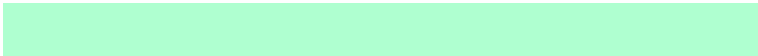
57.1939, 0.2241, 0.2911

# Complementary

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



57.1939, 0.3429, 0.2812



85.1708, 0.2911, 0.3824

# 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.



57.1939, 0.2420, 0.3370



57.1939, 0.3429, 0.2812



57.1939, 0.3266, 0.4148

# Square

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



57.1939, 0.3429, 0.2812



57.1939, 0.4042, 0.3911



57.1939, 0.2788, 0.3849



57.1939, 0.2275, 0.2609



# Rectangle

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



57.1939, 0.3429, 0.2812



57.1939, 0.4057, 0.3413



57.1939, 0.2788, 0.3849



57.1939, 0.2278, 0.3051

# Sweetspot

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



57.1965, 0.3429, 0.2812



85.6263, 0.3197, 0.3159



51.1536, 0.2794, 0.2417



17.8651, 0.3210, 0.3137



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.



57.1965, 0.3429, 0.2812



50.6548, 0.3516, 0.2709



55.3435, 0.3774, 0.3208



18.1661, 0.3202, 0.3151



12.2860, 0.4596, 0.2306



1.2180, 0.4394, 0.2194



# Inverse Universe

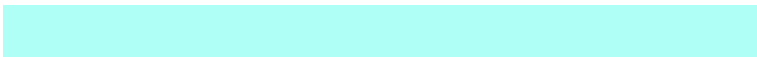
The Inverse Universe completely reimagines the original color for something new.



57.1965, 0.3429, 0.2812



50.6548, 0.3516, 0.2709



87.3298, 0.2715, 0.3376



18.1661, 0.3202, 0.3151



12.2860, 0.4596, 0.2306



1.2180, 0.4394, 0.2194



# Previews

## White Background



This preview shows how the Yxy color 57.1939, 0.3429, 0.2812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

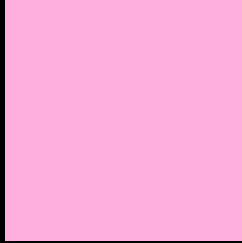
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1939, 0.3429, 0.2812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

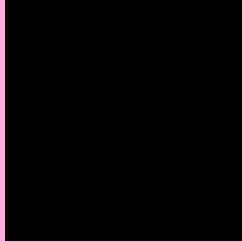
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.1939, 0.3429, 0.2812**

## Background



This preview shows how black text looks on a background with the Yxy color 57.1939, 0.3429, 0.2812.



This preview shows how white text looks on a background with the Yxy color 57.1939, 0.3429, 0.2812.

# 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

57.1939, 0.3429, 0.2812

### Protanopia

57.7091, 0.2816, 0.2840

### Deuteranopia

57.3472, 0.3077, 0.3015



## Tritanopia

57.2330, 0.3637, 0.3144

# Trichromacy



## Original Color

57.1939, 0.3429, 0.2812



## Protanomaly

57.1002, 0.3016, 0.2823



## Deuteranomaly

56.8239, 0.3201, 0.2937



## Tritanomaly

57.0831, 0.3562, 0.3020

# Monochromacy



## Original Color

57.1939, 0.3429, 0.2812



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

58.5311, 0.3233, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1939, 0.3429, 0.2812 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, 175, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 222)  
}
```

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, 175, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1939, 0.3429, 0.2812 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, 175, 222) }
```

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

```
.border{ border-color:rgb(255, 175, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1939, 0.3429, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 222) }
```

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

```
.background{ background-color: rgb(255,  
175, 222) }
```

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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