

# Converting Colors

$Y_{xy}(73.9332, 0.3169, 0.2871)$

Have a look what the booklet for  
Yxy(73.9332, 0.3169, 0.2871)  
contains.

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# Color

**Yxy(73.8892, 0.3169, 0.2869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1FC
RGB	255, 209, 252
RGB Percent	100%, 82%, 99%
CMY	0.0000, 0.1804, 0.0118
CMYK	0.00, 0.18, 0.01, 0.00
HSL	304°, 100%, 91%
HSV	304°, 18%, 100%
XYZ	81.6155, 73.8892, 102.0387
YIQ	227.6560, 13.6130, 23.1250

# Conversions

## Conversions Part 2

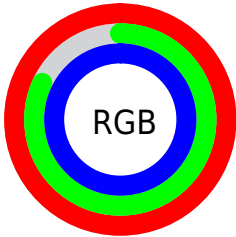
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 209, 252
Decimal	16765436
CIE Lab	88.87, 23.22, -14.91
CIE LCh	89, 27.590, 327.294
Yxy	73.8892, 0.3169, 0.2869
Android (android.graphics.Color)	4294955516 (0xFFFFD1FC)
YUV	227.6560, 12.0016, 23.9807
Hunter-Lab	85.9588, 19.0528, -10.2099

# Details

The Yxy color  $73.8892, 0.3169, 0.2869$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $89.8295, 0.3087, 0.3751$ , and the grayscale version is  $77.2188, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.0571, 0.3180, 0.2779$  is the 20% darker color. If you saturate the color by 10%, you get  $62.2544, 0.3195, 0.2632$ , and if you desaturate by 10%, it is  $87.5236, 0.3145, 0.3105$ .

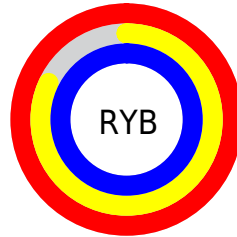
# Distribution



Red (100%)

Green (82%)

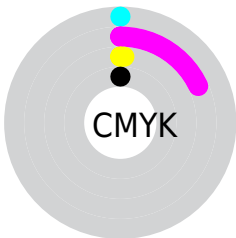
Blue (99%)



Red (100%)

Yellow (82%)

Blue (99%)

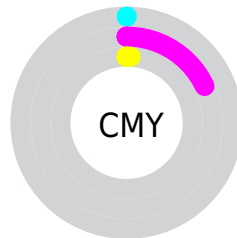


Cyan (0%)

Magenta (18%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8892, 0.3169, 0.2869 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 73.8892, 0.3169, 0.2869 by changing the saturation by 10% instead.




 73.8892, 0.3169,  
0.2869

 73.8892, 0.3169,  
0.2869


474.0909, 0.3153,  
0.3056

 54.7034, 0.3172,  
0.2828


124.7387, 0.3164,  
0.2933

 39.1643, 0.3176,  
0.2778


157.1712, 0.3162,  
0.2958

 26.8875, 0.3180,  
0.2716


194.7880, 0.3160,  
0.2980

 17.4888, 0.3184,  
0.2637

237.9736, 0.3158,  
0.2999

 10.5836, 0.3189,  
0.2533

287.1122, 0.3157,  
0.3016

 5.7876, 0.3193,  
0.2391

342.5884, 0.3155,

 2.7163, 0.3194,

0.3031

0.2184

404.7865, 0.3154,  
0.3044

0.9855, 0.3183,  
0.1860

0.0000, 0.3308,  
0.0000

73.8892, 0.3169,  
0.2869

73.8892, 0.3169,  
0.2869

62.2544, 0.3195,  
0.2632

87.5236, 0.3145,  
0.3105

52.5299, 0.3223,  
0.2401

100.0000, 0.3127,  
0.3290

44.6110, 0.3252,  
0.2186

38.3851, 0.3281,  
0.1998

■ 33.7273, 0.3309,  
0.1845

■ 30.4953, 0.3335,  
0.1734

■ 28.5210, 0.3359,  
0.1667

■ 27.5763, 0.3381,  
0.1641

■ 27.4485, 0.3385,  
0.1638

# Harmonies

## Analogous

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



73.8892, 0.2847, 0.2757



73.8892, 0.3169, 0.2869



73.8892, 0.3495, 0.3079

# Triad

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



73.8892, 0.3169, 0.2869



73.8892, 0.3657, 0.3814



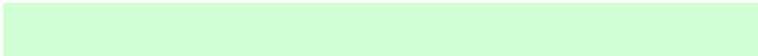
73.8892, 0.2562, 0.3187

# Complementary

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



73.8892, 0.3169, 0.2869



89.8295, 0.3087, 0.3751

# 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.



73.8892, 0.2759, 0.3506



73.8892, 0.3169, 0.2869



73.8892, 0.3388, 0.3882

# Square

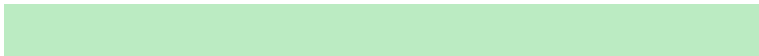
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8892, 0.3169, 0.2869



73.8892, 0.3784, 0.3612



73.8892, 0.3059, 0.3770



73.8892, 0.2510, 0.2921



# Rectangle

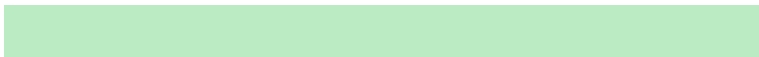
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8892, 0.3169, 0.2869



73.8892, 0.3665, 0.3253



73.8892, 0.3059, 0.3770



73.8892, 0.2613, 0.3292

# Sweetspot

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



73.8873, 0.3169, 0.2869



92.0794, 0.3138, 0.3176



66.7133, 0.2844, 0.2798



19.4797, 0.3140, 0.3160



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.



73.8873, 0.3169, 0.2869



69.0459, 0.3179, 0.2775



72.5565, 0.3326, 0.3083



18.2786, 0.3148, 0.3071



14.3512, 0.3381, 0.1636



1.4033, 0.3360, 0.1624



# Inverse Universe

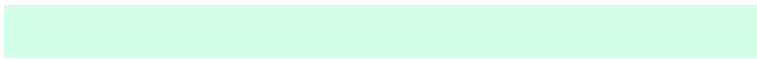
The Inverse Universe completely reimagines the original color for something new.



73.8873, 0.3169, 0.2869



69.0459, 0.3179, 0.2775



91.0328, 0.2965, 0.3507



18.2786, 0.3148, 0.3071



14.3512, 0.3381, 0.1636



1.4033, 0.3360, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 73.8892, 0.3169, 0.2869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

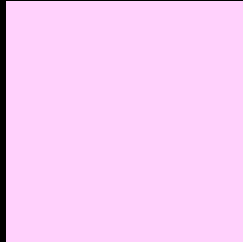
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8892, 0.3169, 0.2869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

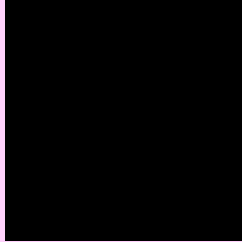
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

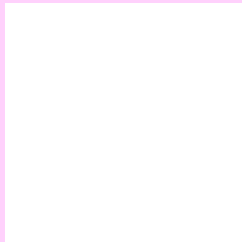
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8892, 0.3169, 0.2869**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8892, 0.3169, 0.2869.



This preview shows how white text looks on a background with the Yxy color 73.8892, 0.3169, 0.2869.

# 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

73.8892, 0.3169, 0.2869

### Protanopia

74.2143, 0.2887, 0.2944

### Deuteranopia

73.8515, 0.3024, 0.2951



## Tritanopia

73.9971, 0.3297, 0.3119

# Trichromacy



## Original Color

73.8892, 0.3169, 0.2869

## Protanomaly

73.7704, 0.2985, 0.2911

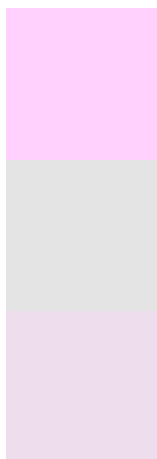
## Deuteranomaly

73.7589, 0.3074, 0.2917

## Tritanomaly

74.1427, 0.3249, 0.3031

# Monochromacy



## Original Color

73.8892, 0.3169, 0.2869

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.0045, 0.3142, 0.3126

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8892, 0.3169, 0.2869 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, 209, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 252)  
}
```

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, 209, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8892, 0.3169, 0.2869 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, 209, 252) }
```

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

```
.border{ border-color:rgb(255, 209, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8892, 0.3169, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 252) }
```

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

```
.background{ background-color: rgb(255,  
209, 252) }
```

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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