

# Converting Colors

$Yxy(71.6411, 0.2874, 0.2896)$

Have a look what the booklet for  
Yxy(71.6411, 0.2874, 0.2896)  
contains.

<b>Yxy(71.8099, 0.2873, 0.2899)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.8099, 0.2873, 0.2899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7DAFF
RGB	215, 218, 255
RGB Percent	84%, 85%, 100%
CMY	0.1565, 0.1452, 0.0000
CMYK	0.16, 0.15, 0.00, 0.00
HSL	236°, 100%, 92%
HSV	236°, 16%, 100%
XYZ	71.1659, 71.8099, 104.7300
YIQ	221.3210, -13.6650, 10.8710

# Conversions

## Conversions Part 2

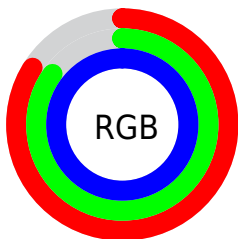
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 218, 255
Decimal	14146303
CIE Lab	87.88, 6.28, -18.33
CIE LCh	88, 19.372, 288.918
Yxy	71.8099, 0.2873, 0.2899
Android (android.graphics.Color)	4292336383 (0xFFD7DAFF)
YUV	221.3210, 16.6037, -5.5435
Hunter-Lab	84.7407, 1.6093, -13.9573

# Details

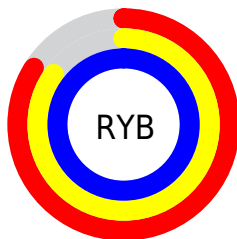
The Yxy color **71.8099, 0.2873, 0.2899** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.8590, 0.3367, 0.3653**, and the grayscale version is **72.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7452, 0.2815, 0.2812** is the 20% darker color. If you saturate the color by 10%, you get **56.8431, 0.2687, 0.2609**, and if you desaturate by 10%, it is **89.1326, 0.3041, 0.3158**.

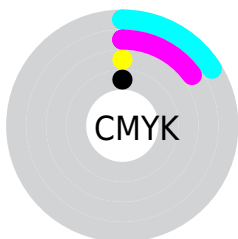
# Distribution



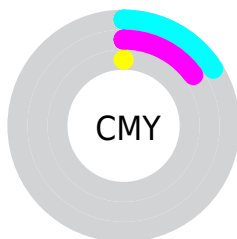
- Red (84%)
- Green (85%)
- Blue (100%)



- Red (84%)
- Yellow (85%)
- Blue (100%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8099, 0.2873, 0.2899 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 71.8099, 0.2873, 0.2899 by changing the saturation by 10% instead.



71.8099, 0.2873,  
0.2899

71.8099, 0.2873,  
0.2899

466.8797, 0.2991,  
0.3077

53.0034, 0.2846,  
0.2859

121.7862, 0.2914,  
0.2960

37.8055, 0.2813,  
0.2810

153.7248, 0.2930,  
0.2984

25.8318, 0.2771,  
0.2749

190.8096, 0.2944,  
0.3005

16.6978, 0.2716,  
0.2670

233.4249, 0.2956,  
0.3023

10.0193, 0.2641,  
0.2565

281.9552, 0.2966,  
0.3039

5.4117, 0.2535,  
0.2418

336.7848, 0.2975,

2.4908, 0.2372,

0.3053

0.2199

398.2982, 0.2984,  
0.3066

0.8720, 0.2094,  
0.1844

0.0000, 0.0000,  
0.0000

71.8099, 0.2873,  
0.2899

71.8099, 0.2873,  
0.2899

56.8431, 0.2687,  
0.2609

89.1326, 0.3041,  
0.3158

44.1247, 0.2486,  
0.2291

100.0000, 0.3127,  
0.3290

33.5479, 0.2276,  
0.1955

24.9945, 0.2068,  
0.1615

■ 18.3350, 0.1875,  
0.1294

■ 13.4250, 0.1714,  
0.1017

■ 10.0989, 0.1595,  
0.0804

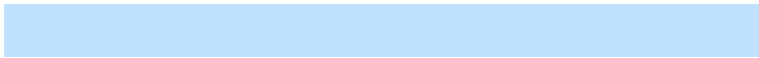
■ 8.1589, 0.1527,  
0.0669

■ 7.6683, 0.1509,  
0.0633

# Harmonies

## Analogous

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



71.8099, 0.2726, 0.2941



71.8099, 0.2873, 0.2899



71.8099, 0.3092, 0.2955

# Triad

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



71.8099, 0.2873, 0.2899



71.8099, 0.3593, 0.3475



71.8099, 0.2921, 0.3500

# Complementary

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



71.8099, 0.2873, 0.2899



95.8590, 0.3367, 0.3653

# 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.



71.8099, 0.3148, 0.3659



71.8099, 0.2873, 0.2899



71.8099, 0.3541, 0.3634

# Square

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



71.8099, 0.2873, 0.2899



71.8099, 0.3515, 0.3278



71.8099, 0.3376, 0.3706



71.8099, 0.2753, 0.3283



# Rectangle

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



71.8099, 0.2873, 0.2899



71.8099, 0.3252, 0.3038



71.8099, 0.3376, 0.3706



71.8099, 0.2993, 0.3563

# Sweetspot

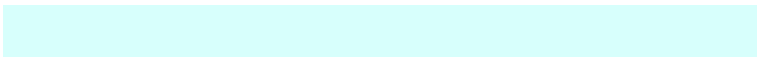
The Sweet Spot groups the original color and five complimentary colors.



71.8118, 0.2873, 0.2899



90.3469, 0.3051, 0.3174



92.9877, 0.2907, 0.3323



19.0582, 0.3040, 0.3157



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.



71.8118, 0.2873, 0.2899



66.5441, 0.2813, 0.2805



72.9732, 0.2984, 0.2882



17.5890, 0.2978, 0.3062



4.0829, 0.1512, 0.0644



0.4676, 0.1540, 0.0744



# Inverse Universe

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



74.9656, 0.3403, 0.3262



70.3241, 0.3476, 0.3255



94.6718, 0.3255, 0.3694



18.0084, 0.3283, 0.3273



11.1401, 0.6326, 0.3258



1.0918, 0.6161, 0.3168



# Previews

## White Background



This preview shows how the Yxy color 71.8099, 0.2873, 0.2899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

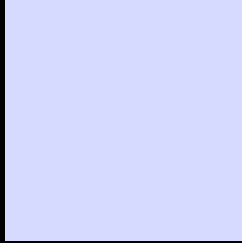
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8099, 0.2873, 0.2899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

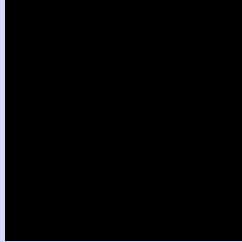
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.8099, 0.2873, 0.2899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8099, 0.2873, 0.2899.



This preview shows how white text looks on a background with the Yxy color 71.8099, 0.2873, 0.2899.

# 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

71.8099, 0.2873, 0.2899

### Protanopia

71.6589, 0.2866, 0.2899

### Deuteranopia

71.8284, 0.2938, 0.2875



## Tritanopia

71.8830, 0.2957, 0.3105

# Trichromacy



## Original Color

71.8099, 0.2873, 0.2899

## Protanomaly

71.6589, 0.2866, 0.2899

## Deuteranomaly

71.7039, 0.2911, 0.2882

## Tritanomaly

71.8642, 0.2926, 0.3032

# Monochromacy



## Original Color

71.8099, 0.2873, 0.2899

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.1297, 0.3036, 0.3150

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8099, 0.2873, 0.2899 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(215, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 218, 255)  
}
```

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(215, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 218, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8099, 0.2873, 0.2899 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(215, 218, 255) }
```

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

```
.border{ border-color:rgb(215, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 218,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8099, 0.2873, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 218, 255) }
```

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

```
.background{ background-color: rgb(215,  
218, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor