

# Converting Colors

$Y_{xy}(72.4256, 0.2889, 0.2778)$

Have a look what the booklet for  
Yxy(72.4256, 0.2889, 0.2778)  
contains.

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# Color

**Yxy(71.4819, 0.2945, 0.2865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D6FF
RGB	226, 214, 255
RGB Percent	89%, 84%, 100%
CMY	0.1134, 0.1609, 0.0000
CMYK	0.11, 0.16, 0.00, 0.00
HSL	258°, 100%, 92%
HSV	258°, 16%, 100%
XYZ	73.4779, 71.4819, 104.5407
YIQ	222.2620, -6.0090, 15.2950

# Conversions

## Conversions Part 2

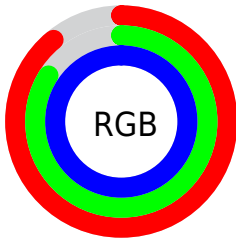
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 214, 255
Decimal	14866175
CIE Lab	87.72, 11.83, -18.48
CIE LCh	88, 21.941, 302.621
Yxy	71.4819, 0.2945, 0.2865
Android (android.graphics.Color)	4293056255 (0xFFE2D6FF)
YUV	222.2620, 16.1398, 3.2782
Hunter-Lab	84.5470, 7.1732, -14.1281

# Details

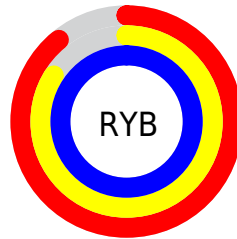
The Yxy color **71.4819, 0.2945, 0.2865** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.4129, 0.3291, 0.3701**, and the grayscale version is **73.1357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4195, 0.2898, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **56.8151, 0.2810, 0.2568**, and if you desaturate by 10%, it is **88.4785, 0.3063, 0.3138**.

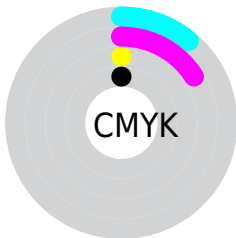
# Distribution



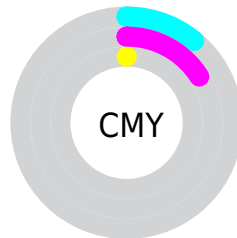
- Red (89%)
- Green (84%)
- Blue (100%)



- Red (89%)
- Yellow (84%)
- Blue (100%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4819, 0.2945, 0.2865 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 71.4819, 0.2945, 0.2865 by changing the saturation by 10% instead.



71.4819, 0.2945,  
0.2865

71.4819, 0.2945,  
0.2865

465.7363, 0.3031,  
0.3057

52.7356, 0.2925,  
0.2822

121.3196, 0.2975,  
0.2931

37.5917, 0.2900,  
0.2770

153.1798, 0.2987,  
0.2956

25.6660, 0.2869,  
0.2705

190.1801, 0.2997,  
0.2979

16.5739, 0.2828,  
0.2622

232.7048, 0.3005,  
0.2998

9.9312, 0.2771,  
0.2511

281.1384, 0.3013,  
0.3016

5.3533, 0.2689,  
0.2357

335.8652, 0.3020,

2.4560, 0.2560,

0.3031

0.2130

397.2697, 0.3025,  
0.3045

0.8545, 0.2335,  
0.1769

0.0000, 0.0456,  
0.0000

71.4819, 0.2945,  
0.2865

71.4819, 0.2945,  
0.2865

56.8151, 0.2810,  
0.2568

88.4785, 0.3063,  
0.3138

44.3683, 0.2658,  
0.2250

100.0000, 0.3127,  
0.3290

34.0326, 0.2492,  
0.1923

25.6875, 0.2318,  
0.1601

■ 19.1995, 0.2143,  
0.1302

■ 14.4186, 0.1978,  
0.1048

■ 11.1702, 0.1833,  
0.0855

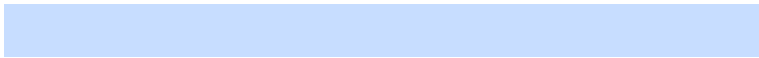
■ 9.2393, 0.1717,  
0.0732

■ 8.7222, 0.1679,  
0.0698

# Harmonies

## Analogous

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



71.4819, 0.2736, 0.2859



71.4819, 0.2945, 0.2865



71.4819, 0.3211, 0.2973

# Triad

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



71.4819, 0.2945, 0.2865



71.4819, 0.3647, 0.3589



71.4819, 0.2795, 0.3419

# Complementary

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



71.4819, 0.2945, 0.2865



95.4129, 0.3291, 0.3701

# 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.



71.4819, 0.3028, 0.3641



71.4819, 0.2945, 0.2865



71.4819, 0.3523, 0.3732

# Square

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



71.4819, 0.2945, 0.2865



71.4819, 0.3626, 0.3378



71.4819, 0.3295, 0.3757



71.4819, 0.2653, 0.3168



# Rectangle

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



71.4819, 0.2945, 0.2865



71.4819, 0.3386, 0.3089



71.4819, 0.3295, 0.3757



71.4819, 0.2865, 0.3501

# Sweetspot

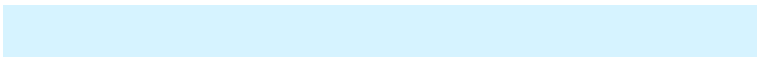
The Sweet Spot groups the original color and five complimentary colors.



71.4842, 0.2945, 0.2865



90.4674, 0.3075, 0.3166



85.8412, 0.2878, 0.3169



19.0875, 0.3068, 0.3147



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.



71.4842, 0.2945, 0.2865



66.9733, 0.2907, 0.2781



74.9172, 0.3083, 0.2883



17.6371, 0.3025, 0.3047



4.6240, 0.1693, 0.0706



0.5037, 0.1810, 0.0771



# Inverse Universe

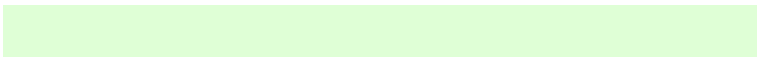
The Inverse Universe completely reimagines the original color for something new.



75.8096, 0.3228, 0.3005



72.0021, 0.3249, 0.2951



92.0413, 0.3162, 0.3718



18.2038, 0.3183, 0.3124



12.8548, 0.4129, 0.2048



1.2708, 0.3998, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 71.4819, 0.2945, 0.2865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

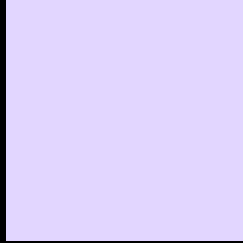
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4819, 0.2945, 0.2865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

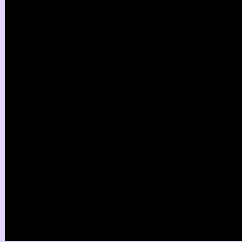
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.4819, 0.2945, 0.2865**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4819, 0.2945, 0.2865.

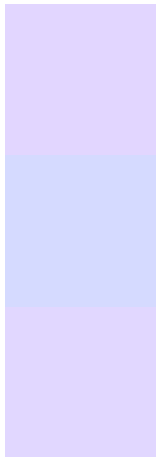


This preview shows how white text looks on a background with the Yxy color 71.4819, 0.2945, 0.2865.

# 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

71.4819, 0.2945, 0.2865

### Protanopia

71.5089, 0.2860, 0.2898

### Deuteranopia

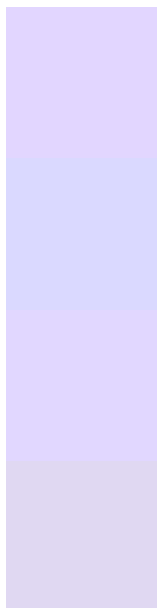
71.8284, 0.2938, 0.2875



## Tritanopia

71.3118, 0.3051, 0.3098

# Trichromacy



## Original Color

71.4819, 0.2945, 0.2865

## Protanomaly

71.7511, 0.2892, 0.2891

## Deuteranomaly

71.8284, 0.2938, 0.2875

## Tritanomaly

71.3698, 0.3013, 0.3015

# Monochromacy



## Original Color

71.4819, 0.2945, 0.2865

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.2915, 0.3057, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4819, 0.2945, 0.2865 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(226, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 214, 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(226, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 214, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4819, 0.2945, 0.2865 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(226, 214, 255) }
```

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

```
.border{ border-color:rgb(226, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 214,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4819, 0.2945, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 214, 255) }
```

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

```
.background{ background-color: rgb(226,  
214, 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](#).

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