

# Converting Colors

$Yxy(71.3844, 0.2968, 0.2926)$

Have a look what the booklet for  
Yxy(71.3844, 0.2968, 0.2926)  
contains.

<b>Yxy(71.5106, 0.2969, 0.2924)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.5106, 0.2969, 0.2924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D7FA
RGB	225, 215, 250
RGB Percent	88%, 84%, 98%
CMY	0.1176, 0.1569, 0.0195
CMYK	0.10, 0.14, 0.00, 0.02
HSL	257°, 78%, 91%
HSV	257°, 14%, 98%
XYZ	72.6111, 71.5106, 100.4426
YIQ	221.9800, -5.2750, 13.0050

# Conversions

## Conversions Part 2

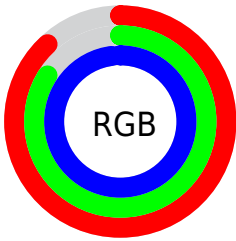
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 215, 250
Decimal	14800890
CIE Lab	87.73, 9.96, -15.84
CIE LCh	88, 18.712, 302.147
Yxy	71.5106, 0.2969, 0.2924
Android (android.graphics.Color)	4292990970 (0xFFE1D7FA)
YUV	221.9800, 13.8139, 2.6485
Hunter-Lab	84.5639, 5.2828, -11.2282

# Details

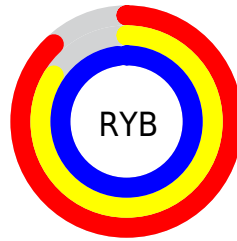
The Yxy color **71.5106, 0.2969, 0.2924** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.8269, 0.3271, 0.3645**, and the grayscale version is **72.9385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5379, 0.2938, 0.2845** is the 20% darker color. If you saturate the color by 10%, you get **57.0157, 0.2836, 0.2631**, and if you desaturate by 10%, it is **88.2577, 0.3085, 0.3191**.

# Distribution



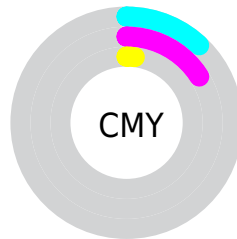
- Red (88%)
- Green (84%)
- Blue (98%)



- Red (88%)
- Yellow (84%)
- Blue (98%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5106, 0.2969, 0.2924 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 71.5106, 0.2969, 0.2924 by changing the saturation by 10% instead.



71.5106, 0.2969,  
0.2924

71.5106, 0.2969,  
0.2924

465.8364, 0.3043,  
0.3090

52.7590, 0.2952,  
0.2887

121.3605, 0.2995,  
0.2981

37.6104, 0.2930,  
0.2841

153.2275, 0.3005,  
0.3003

25.6805, 0.2903,  
0.2784

190.2352, 0.3014,  
0.3023

16.5847, 0.2867,  
0.2711

232.7679, 0.3021,  
0.3040

9.9389, 0.2818,  
0.2613

281.2099, 0.3028,  
0.3054

5.3584, 0.2746,  
0.2476

335.9458, 0.3034,

2.4591, 0.2634,

0.3068

0.2271

397.3598, 0.3039,  
0.3080

0.8560, 0.2433,  
0.1936

0.0000, 0.0053,  
0.0000

71.5106, 0.2969,  
0.2924

71.5106, 0.2969,  
0.2924

57.0157, 0.2836,  
0.2631

88.2577, 0.3085,  
0.3191

44.6667, 0.2685,  
0.2317

99.6841, 0.3156,  
0.3337

34.3622, 0.2520,  
0.1990

25.9888, 0.2346,  
0.1664

■ 19.4219, 0.2169,  
0.1358

■ 14.5217, 0.2000,  
0.1092

■ 11.1272, 0.1850,  
0.0885

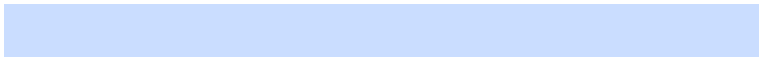
■ 9.0431, 0.1728,  
0.0747

■ 8.2586, 0.1669,  
0.0693

# Harmonies

## Analogous

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



71.5106, 0.2790, 0.2922



71.5106, 0.2969, 0.2924



71.5106, 0.3196, 0.3015

# Triad

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



71.5106, 0.2969, 0.2924



71.5106, 0.3571, 0.3545



71.5106, 0.2846, 0.3404

# Complementary

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



71.5106, 0.2969, 0.2924



91.8269, 0.3271, 0.3645

# 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.



71.5106, 0.3047, 0.3590



71.5106, 0.2969, 0.2924



71.5106, 0.3468, 0.3666

# Square

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



71.5106, 0.2969, 0.2924



71.5106, 0.3550, 0.3365



71.5106, 0.3275, 0.3686



71.5106, 0.2722, 0.3191



# Rectangle

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



71.5106, 0.2969, 0.2924



71.5106, 0.3345, 0.3115



71.5106, 0.3275, 0.3686



71.5106, 0.2907, 0.3472

# Sweetspot

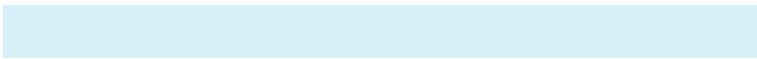
The Sweet Spot groups the original color and five complimentary colors.



71.5136, 0.2969, 0.2924



92.3078, 0.3085, 0.3191



83.7337, 0.2910, 0.3186



19.4574, 0.3077, 0.3172



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.



71.5136, 0.2969, 0.2924



69.9840, 0.2931, 0.2839



74.4609, 0.3090, 0.2937



16.8830, 0.3024, 0.3048



4.4421, 0.1683, 0.0701



0.4627, 0.1805, 0.0768



# Inverse Universe

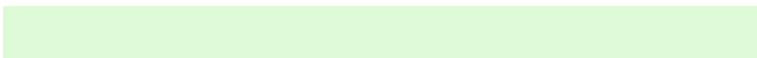
The Inverse Universe completely reimagines the original color for something new.



75.2241, 0.3211, 0.3040



74.6204, 0.3232, 0.2984



88.9197, 0.3158, 0.3658



17.4351, 0.3182, 0.3122



12.5246, 0.4094, 0.2029

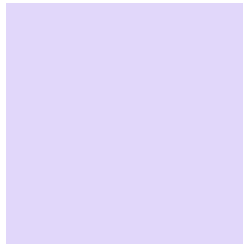


1.1782, 0.3963, 0.1957



# Previews

## White Background



This preview shows how the Yxy color 71.5106, 0.2969, 0.2924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

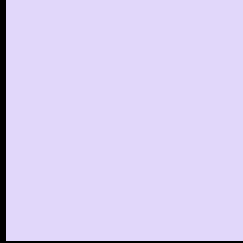
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5106, 0.2969, 0.2924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

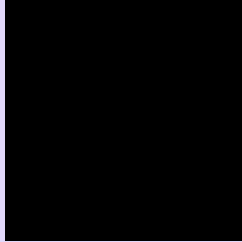
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5106, 0.2969, 0.2924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5106, 0.2969, 0.2924.

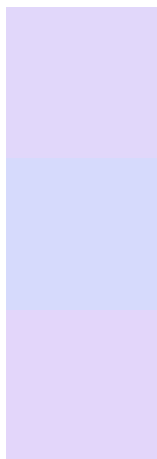


This preview shows how white text looks on a background with the Yxy color 71.5106, 0.2969, 0.2924.

# 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

71.5106, 0.2969, 0.2924

### Protanopia

71.4672, 0.2884, 0.2929

### Deuteranopia

71.3262, 0.2983, 0.2915



## Tritanopia

71.6706, 0.3044, 0.3108

# Trichromacy



## Original Color

71.5106, 0.2969, 0.2924

## Protanomaly

71.4962, 0.2916, 0.2931

## Deuteranomaly

71.1640, 0.2976, 0.2914

## Tritanomaly

71.6050, 0.3019, 0.3046

# Monochromacy



## Original Color

71.5106, 0.2969, 0.2924

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.1772, 0.3070, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5106, 0.2969, 0.2924 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(225, 215, 250)` looks like.

```
.text, #text, p{  
    color:rgb(225, 215, 250)  
}
```

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(225, 215, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 215, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5106, 0.2969, 0.2924 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(225, 215, 250) }
```

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

```
.border{ border-color:rgb(225, 215, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 215, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 215, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 215, 250);  
box-shadow:4px 4px 4px 4px rgb(225, 215,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5106, 0.2969, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 215, 250) }
```

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

```
.background{ background-color: rgb(225,  
215, 250) }
```

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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