

# Converting Colors

$Y_{xy}(70.0064, 0.2893, 0.2705)$

Have a look what the booklet for  
Yxy(70.0064, 0.2893, 0.2705)  
contains.

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# Color

**Yxy(69.4789, 0.2964, 0.2815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D1FF
RGB	229, 209, 255
RGB Percent	90%, 82%, 100%
CMY	0.1021, 0.1803, 0.0000
CMYK	0.10, 0.18, 0.00, 0.00
HSL	266°, 100%, 91%
HSV	266°, 18%, 100%
XYZ	73.1565, 69.4789, 104.1813
YIQ	220.2240, -2.8460, 18.5460

# Conversions

## Conversions Part 2

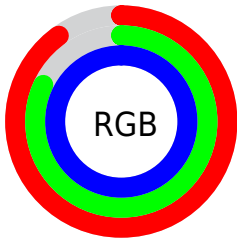
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 209, 255
Decimal	15061503
CIE Lab	86.74, 15.37, -19.94
CIE LCh	87, 25.178, 307.632
Yxy	69.4789, 0.2964, 0.2815
Android (android.graphics.Color)	4293251583 (0xFFE5D1FF)
YUV	220.2240, 17.1446, 7.6966
Hunter-Lab	83.3540, 10.7928, -15.7567

# Details

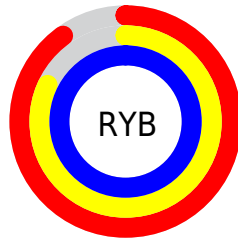
The Yxy color **69.4789, 0.2964, 0.2815** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7959, 0.3269, 0.3760**, and the grayscale version is **71.6116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4041, 0.2923, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **55.6748, 0.2854, 0.2523**, and if you desaturate by 10%, it is **85.4860, 0.3060, 0.3088**.

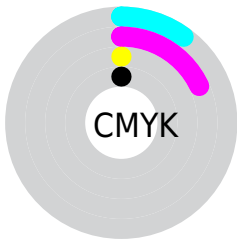
# Distribution



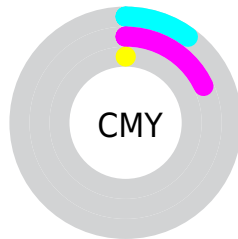
- Red (90%)
- Green (82%)
- Blue (100%)



- Red (90%)
- Yellow (82%)
- Blue (100%)



- Cyan (10%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4789, 0.2964, 0.2815 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 69.4789, 0.2964, 0.2815 by changing the saturation by 10% instead.



69.4789, 0.2964,  
0.2815

69.4789, 0.2964,  
0.2815

458.7182, 0.3042,  
0.3029

51.1018, 0.2946,  
0.2767

118.4653, 0.2992,  
0.2888

36.2897, 0.2923,  
0.2709

149.8435, 0.3002,  
0.2917

24.6580, 0.2893,  
0.2637

186.3241, 0.3011,  
0.2942

15.8224, 0.2854,  
0.2544

228.2916, 0.3019,  
0.2964

9.3986, 0.2800,  
0.2421

276.1304, 0.3026,  
0.2983

5.0021, 0.2721,  
0.2251

330.2248, 0.3032,

2.2485, 0.2595,

0.3000

0.2002

390.9593, 0.3037,  
0.3016

0.7462, 0.2373,  
0.1598

0.0000, 0.0313,  
0.0000

69.4789, 0.2964,  
0.2815

69.4789, 0.2964,  
0.2815

55.6748, 0.2854,  
0.2523

85.4860, 0.3060,  
0.3088

43.9696, 0.2729,  
0.2217

100.0000, 0.3127,  
0.3290

34.2569, 0.2592,  
0.1908

26.4191, 0.2446,  
0.1609

■ 20.3258, 0.2297,  
0.1338

■ 15.8290, 0.2152,  
0.1110

■ 12.7548, 0.2019,  
0.0939

■ 10.8688, 0.1903,  
0.0828

■ 10.5736, 0.1882,  
0.0810

# Harmonies

## Analogous

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



69.4789, 0.2709, 0.2786



69.4789, 0.2964, 0.2815



69.4789, 0.3276, 0.2955

# Triad

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



69.4789, 0.2964, 0.2815



69.4789, 0.3717, 0.3667



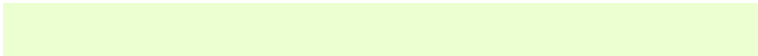
69.4789, 0.2707, 0.3389

# Complementary

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



69.4789, 0.2964, 0.2815



93.7959, 0.3269, 0.3760

# 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.



69.4789, 0.2961, 0.3663



69.4789, 0.2964, 0.2815



69.4789, 0.3547, 0.3817

# Square

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



69.4789, 0.2964, 0.2815



69.4789, 0.3723, 0.3432



69.4789, 0.3268, 0.3823



69.4789, 0.2566, 0.3100



# Rectangle

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



69.4789, 0.2964, 0.2815



69.4789, 0.3473, 0.3096



69.4789, 0.3268, 0.3823



69.4789, 0.2781, 0.3488

# Sweetspot

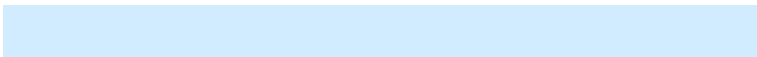
The Sweet Spot groups the original color and five complimentary colors.



69.4803, 0.2964, 0.2815



90.7894, 0.3086, 0.3166



80.2365, 0.2844, 0.3080



19.1656, 0.3080, 0.3148



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.



69.4803, 0.2964, 0.2815



63.7457, 0.2922, 0.2701



73.5120, 0.3126, 0.2838



17.7630, 0.3047, 0.3049



5.6093, 0.1899, 0.0820



0.6093, 0.2024, 0.0889



# Inverse Universe

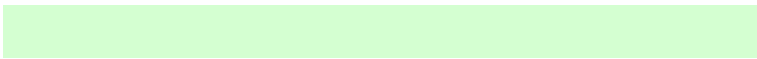
The Inverse Universe completely reimagines the original color for something new.



72.8702, 0.3287, 0.3030



67.8116, 0.3330, 0.2971



90.1334, 0.3123, 0.3781



18.1594, 0.3205, 0.3156



12.1979, 0.4684, 0.2354



1.2096, 0.4469, 0.2236



# Previews

## White Background



This preview shows how the Yxy color 69.4789, 0.2964, 0.2815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

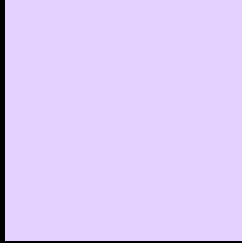
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.4789, 0.2964, 0.2815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

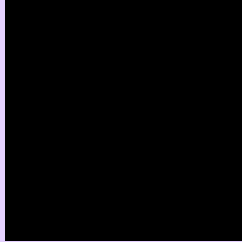
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

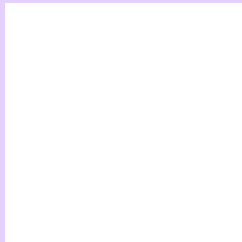
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4789, 0.2964, 0.2815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4789, 0.2964, 0.2815.

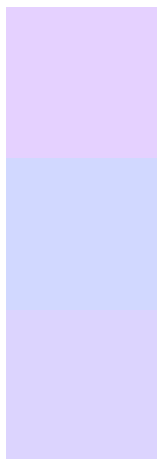


This preview shows how white text looks on a background with the Yxy color 69.4789, 0.2964, 0.2815.

# 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

69.4789, 0.2964, 0.2815

### Protanopia

69.8870, 0.2832, 0.2873

### Deuteranopia

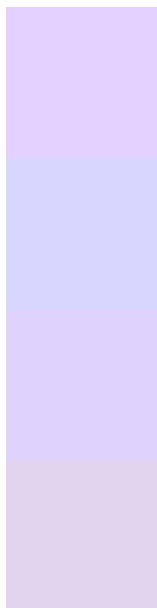
69.4584, 0.2910, 0.2849



## Tritanopia

69.3092, 0.3099, 0.3108

# Trichromacy



## Original Color

69.4789, 0.2964, 0.2815

## Protanomaly

69.4074, 0.2877, 0.2846

## Deuteranomaly

69.4323, 0.2930, 0.2840

## Tritanomaly

69.4877, 0.3047, 0.3004

# Monochromacy



## Original Color

69.4789, 0.2964, 0.2815

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.6829, 0.3064, 0.3108

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.4789, 0.2964, 0.2815 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(229, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 209, 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(229, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4789, 0.2964, 0.2815 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(229, 209, 255) }
```

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

```
.border{ border-color:rgb(229, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 209, 255); box-shadow:4px 4px 4px 4px rgb(229, 209, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4789, 0.2964, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 209, 255) }
```

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

```
.background{ background-color: rgb(229,  
209, 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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