

# Converting Colors

$Yxy(74.1642, 0.2782, 0.2589)$

Have a look what the booklet for  
Yxy(74.1642, 0.2782, 0.2589)  
contains.

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# Color

**Yxy(71.9711, 0.2965, 0.2868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D6FF
RGB	229, 214, 255
RGB Percent	90%, 84%, 100%
CMY	0.1020, 0.1607, 0.0000
CMYK	0.10, 0.16, 0.00, 0.00
HSL	262°, 100%, 92%
HSV	262°, 16%, 100%
XYZ	74.4053, 71.9711, 104.5689
YIQ	223.1590, -4.2210, 15.9310

# Conversions

## Conversions Part 2

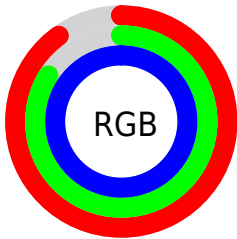
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 214, 255
Decimal	15062783
CIE <sub>Lab</sub>	87.95, 12.73, -18.09
CIE <sub>LCh</sub>	88, 22.122, 305.139
Yxy	71.9711, 0.2965, 0.2868
Android (android.graphics.Color)	4293252863 (0xFFE5D6FF)
YUV	223.1590, 15.6976, 5.1226
Hunter-Lab	84.8358, 8.0909, -13.6960

# Details

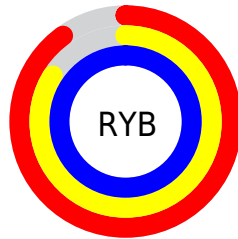
The Yxy color  $71.9711, 0.2965, 0.2868$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $94.8968, 0.3272, 0.3703$ , and the grayscale version is  $73.8000, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.7577, 0.2924, 0.2772$  is the 20% darker color. If you saturate the color by 10%, you get  $57.5226, 0.2844, 0.2575$ , and if you desaturate by 10%, it is  $88.6939, 0.3071, 0.3138$ .

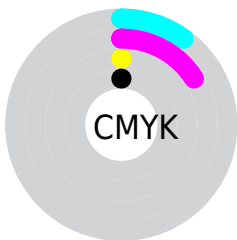
# Distribution



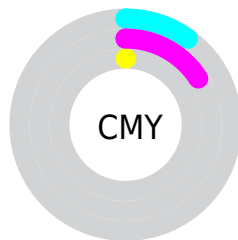
- Red (90%)
- Green (84%)
- Blue (100%)



- Red (90%)
- Yellow (84%)
- Blue (100%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (16%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9711, 0.2965, 0.2868 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 71.9711, 0.2965, 0.2868 by changing the saturation by 10% instead.




 71.9711, 0.2965,  
0.2868

 71.9711, 0.2965,  
0.2868


467.4410, 0.3042,  
0.3058

 53.1351, 0.2947,  
0.2826


122.0154, 0.2992,  
0.2933

 37.9106, 0.2925,  
0.2774


153.9925, 0.3002,  
0.2959

 25.9133, 0.2897,  
0.2710


191.1188, 0.3011,  
0.2981

 16.7588, 0.2860,  
0.2628

233.7786, 0.3019,  
0.3000

 10.0627, 0.2809,  
0.2518

282.3563, 0.3026,  
0.3017

 5.4405, 0.2734,  
0.2367

337.2363, 0.3032,

 2.5080, 0.2618,

0.3032

0.2145

398.8031, 0.3037,  
0.3046

0.8806, 0.2412,  
0.1790

0.0000, 0.0858,  
0.0000

71.9711, 0.2965,  
0.2868

71.9711, 0.2965,  
0.2868

57.5226, 0.2844,  
0.2575

88.6939, 0.3071,  
0.3138

45.2389, 0.2707,  
0.2264

99.9994, 0.3127,  
0.3290

35.0148, 0.2556,  
0.1946

26.7327, 0.2396,  
0.1634

■ 20.2624, 0.2234,  
0.1345

■ 15.4575, 0.2077,  
0.1098

■ 12.1473, 0.1934,  
0.0909

■ 10.1212, 0.1814,  
0.0786

■ 9.5572, 0.1773,  
0.0750

# Harmonies

## Analogous

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



71.9711, 0.2748, 0.2853



71.9711, 0.2965, 0.2868



71.9711, 0.3235, 0.2984

# Triad

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



71.9711, 0.2965, 0.2868



71.9711, 0.3645, 0.3606



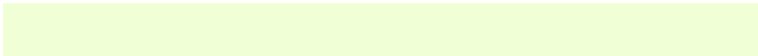
71.9711, 0.2777, 0.3399

# Complementary

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



71.9711, 0.2965, 0.2868



94.8968, 0.3272, 0.3703

# 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.



71.9711, 0.3005, 0.3628



71.9711, 0.2965, 0.2868



71.9711, 0.3509, 0.3742

# Square

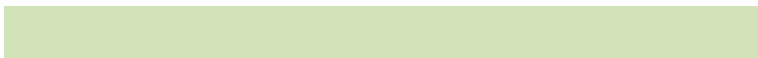
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9711, 0.2965, 0.2868



71.9711, 0.3637, 0.3398



71.9711, 0.3273, 0.3755



71.9711, 0.2643, 0.3147



# Rectangle

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



71.9711, 0.2965, 0.2868



71.9711, 0.3408, 0.3105



71.9711, 0.3273, 0.3755



71.9711, 0.2845, 0.3482

# Sweetspot

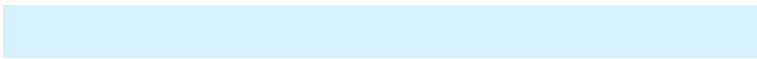
The Sweet Spot groups the original color and five complimentary colors.



71.9741, 0.2965, 0.2868



90.6311, 0.3081, 0.3166



84.2192, 0.2877, 0.3141



19.1272, 0.3074, 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.



71.9741, 0.2965, 0.2868



67.5167, 0.2931, 0.2784



75.4288, 0.3103, 0.2885



17.7009, 0.3036, 0.3048



5.0712, 0.1789, 0.0759



0.5531, 0.1913, 0.0827



# Inverse Universe

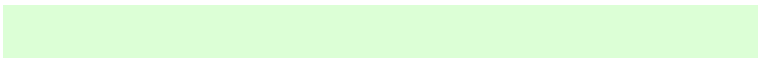
The Inverse Universe completely reimagines the original color for something new.



75.6486, 0.3248, 0.3033



71.7993, 0.3274, 0.2984



91.6098, 0.3145, 0.3720



18.1811, 0.3194, 0.3140



12.4977, 0.4404, 0.2200



1.2379, 0.4231, 0.2104



# Previews

## White Background



This preview shows how the Yxy color 71.9711, 0.2965, 0.2868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

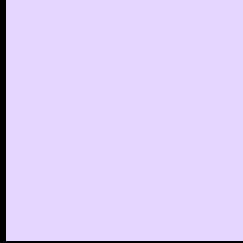
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9711, 0.2965, 0.2868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

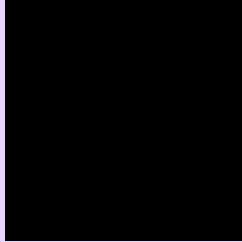
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9711, 0.2965, 0.2868**

## Background



This preview shows how black text looks on a background with the Yxy color 71.9711, 0.2965, 0.2868.

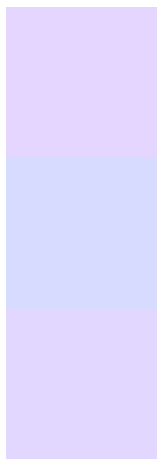


This preview shows how white text looks on a background with the Yxy color 71.9711, 0.2965, 0.2868.

# 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

71.9711, 0.2965, 0.2868

### Protanopia

72.1792, 0.2866, 0.2909

### Deuteranopia

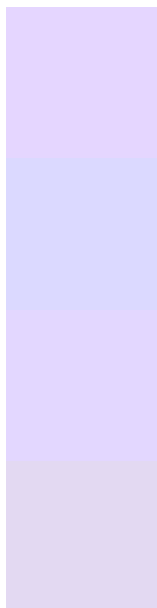
71.9896, 0.2945, 0.2876



## Tritanopia

72.3097, 0.3072, 0.3110

# Trichromacy



## Original Color

71.9711, 0.2965, 0.2868

## Protanomaly

71.9058, 0.2898, 0.2892

## Deuteranomaly

72.1518, 0.2952, 0.2877

## Tritanomaly

72.3674, 0.3034, 0.3027

# Monochromacy



## Original Color

71.9711, 0.2965, 0.2868

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.1921, 0.3064, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9711, 0.2965, 0.2868 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 214, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9711, 0.2965, 0.2868 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, 214, 255) }
```

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

```
.border{ border-color:rgb(229, 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(229, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 214,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9711, 0.2965, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 214, 255) }
```

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

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