

# Converting Colors

$Y_{xy}(71.7777, 0.2977, 0.2799)$

Have a look what the booklet for  
Yxy(71.7777, 0.2977, 0.2799)  
contains.

<b>Yxy(71.4707, 0.3006, 0.2842)</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(71.4707, 0.3006, 0.2842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD3FF
RGB	235, 211, 255
RGB Percent	92%, 83%, 100%
CMY	0.0786, 0.1725, 0.0000
CMYK	0.08, 0.17, 0.00, 0.00
HSL	273°, 100%, 91%
HSV	273°, 17%, 100%
XYZ	75.5950, 71.4707, 104.4146
YIQ	223.1920, 0.1800, 18.7720

# Conversions

## Conversions Part 2

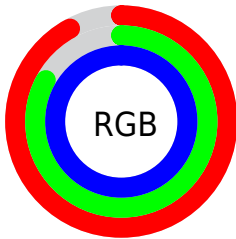
Format	Color
R <sub>Y</sub> B	235, 211, 255
Decimal	15455231
CIE Lab	87.71, 16.22, -18.41
CIE LCh	88, 24.534, 311.376
Yxy	71.4707, 0.3006, 0.2842
Android (android.graphics.Color)	4293645311 (0xFFEBD3FF)
YUV	223.1920, 15.6813, 10.3556
Hunter-Lab	84.5403, 11.6670, -14.0500

# Details

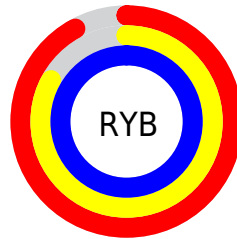
The Yxy color **71.4707, 0.3006, 0.2842** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.2196, 0.3231, 0.3742**, and the grayscale version is **73.8208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4379, 0.2977, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **57.8786, 0.2920, 0.2559**, and if you desaturate by 10%, it is **87.2077, 0.3080, 0.3109**.

# Distribution



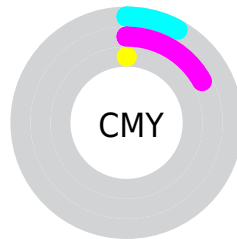
- Red (92%)
- Green (83%)
- Blue (100%)



- Red (92%)
- Yellow (83%)
- Blue (100%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4707, 0.3006, 0.2842 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 71.4707, 0.3006, 0.2842 by changing the saturation by 10% instead.



 71.4707, 0.3006,  
0.2842

 71.4707, 0.3006,  
0.2842

465.6972, 0.3064,  
0.3043

 52.7264, 0.2992,  
0.2797

121.3037, 0.3027,  
0.2911

 37.5844, 0.2975,  
0.2743


153.1612, 0.3035,  
0.2938

 25.6603, 0.2953,  
0.2676


190.1586, 0.3041,  
0.2961

 16.5697, 0.2923,  
0.2589

232.6802, 0.3047,  
0.2982

 9.9282, 0.2882,  
0.2475

281.1105, 0.3052,  
0.3000

 5.3514, 0.2822,  
0.2317

335.8338, 0.3057,

 2.4549, 0.2725,

0.3016

0.2087

397.2346, 0.3061,  
0.3030

0.8539, 0.2549,  
0.1724

0.0000, 0.1330,  
0.0000

71.4707, 0.3006,  
0.2842

71.4707, 0.3006,  
0.2842

57.8786, 0.2920,  
0.2559

87.2077, 0.3080,  
0.3109

46.3253, 0.2821,  
0.2265

99.9998, 0.3127,  
0.3290

36.7092, 0.2711,  
0.1971

28.9161, 0.2593,  
0.1690

■ 22.8195, 0.2470,  
0.1435

■ 18.2758, 0.2347,  
0.1221

■ 15.1167, 0.2230,  
0.1059

■ 13.1259, 0.2122,  
0.0951

■ 12.6944, 0.2094,  
0.0927

# Harmonies

## Analogous

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



71.4707, 0.2749, 0.2800



71.4707, 0.3006, 0.2842



71.4707, 0.3308, 0.2990

# Triad

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



71.4707, 0.3006, 0.2842



71.4707, 0.3684, 0.3679



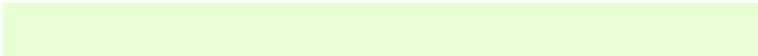
71.4707, 0.2698, 0.3350

# Complementary

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



71.4707, 0.3006, 0.2842



93.2196, 0.3231, 0.3742

# 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.



71.4707, 0.2932, 0.3621



71.4707, 0.3006, 0.2842



71.4707, 0.3503, 0.3808

# Square

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



71.4707, 0.3006, 0.2842



71.4707, 0.3710, 0.3458



71.4707, 0.3227, 0.3793



71.4707, 0.2577, 0.3076



# Rectangle

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



71.4707, 0.3006, 0.2842



71.4707, 0.3493, 0.3131



71.4707, 0.3227, 0.3793



71.4707, 0.2765, 0.3446

# Sweetspot

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



71.4737, 0.3006, 0.2842



91.0482, 0.3096, 0.3166



78.5272, 0.2854, 0.3043



19.2285, 0.3091, 0.3149



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.



71.4737, 0.3006, 0.2842



66.1267, 0.2975, 0.2737



74.9832, 0.3157, 0.2875



17.8650, 0.3065, 0.3050



6.7232, 0.2110, 0.0936



0.7196, 0.2228, 0.1001



# Inverse Universe

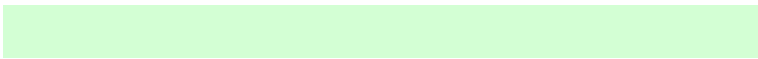
The Inverse Universe completely reimagines the original color for something new.



73.6300, 0.3314, 0.3090



68.7259, 0.3364, 0.3044



90.1475, 0.3097, 0.3744



18.1247, 0.3222, 0.3182



11.7989, 0.5153, 0.2612



1.1705, 0.4875, 0.2459



# Previews

## White Background



This preview shows how the Yxy color 71.4707, 0.3006, 0.2842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

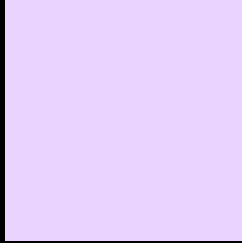
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4707, 0.3006, 0.2842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

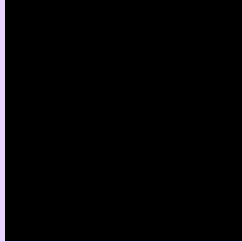
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

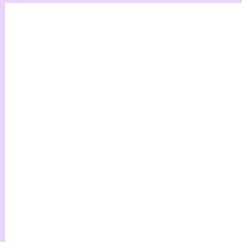
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4707, 0.3006, 0.2842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4707, 0.3006, 0.2842.

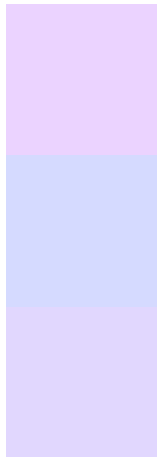


This preview shows how white text looks on a background with the Yxy color 71.4707, 0.3006, 0.2842.

# 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

71.4707, 0.3006, 0.2842

### Protanopia

71.5089, 0.2860, 0.2898

### Deuteranopia

71.7642, 0.2944, 0.2885



## Tritanopia

71.4160, 0.3128, 0.3111

# Trichromacy



## Original Color

71.4707, 0.3006, 0.2842

## Protanomaly

71.1930, 0.2911, 0.2872

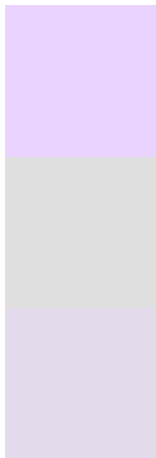
## Deuteranomaly

71.9069, 0.2971, 0.2878

## Tritanomaly

71.5402, 0.3083, 0.3019

# Monochromacy



## Original Color

71.4707, 0.3006, 0.2842

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

72.9921, 0.3079, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4707, 0.3006, 0.2842 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(235, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 211, 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(235, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 211, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4707, 0.3006, 0.2842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

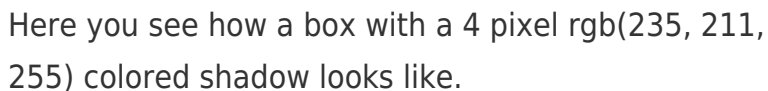
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 211, 255) }
```

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

```
.border{ border-color:rgb(235, 211, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 211, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 211, 255); box-shadow:4px 4px 4px 4px rgb(235, 211, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4707, 0.3006, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 211, 255) }
```

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

```
.background{ background-color: rgb(235,  
211, 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