

# Converting Colors

$Y_{xy}(72.1305, 0.2951, 0.2877)$

Have a look what the booklet for  
Yxy(72.1305, 0.2951, 0.2877)  
contains.

<b>Yxy(72.1518, 0.2952, 0.2877)</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(72.1518, 0.2952, 0.2877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D7FF
RGB	227, 215, 255
RGB Percent	89%, 84%, 100%
CMY	0.1097, 0.1569, 0.0001
CMYK	0.11, 0.16, 0.00, 0.00
HSL	258°, 100%, 92%
HSV	258°, 16%, 100%
XYZ	74.0327, 72.1518, 104.6038
YIQ	223.1480, -5.6880, 14.9840

# Conversions

## Conversions Part 2

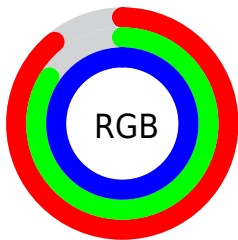
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 215, 255
Decimal	14931967
CIE Lab	88.04, 11.59, -17.96
CIE LCh	88, 21.376, 302.826
Yxy	72.1518, 0.2952, 0.2877
Android (android.graphics.Color)	4293122047 (0xFFE3D7FF)
YUV	223.1480, 15.7030, 3.3782
Hunter-Lab	84.9422, 6.9256, -13.5543

# Details

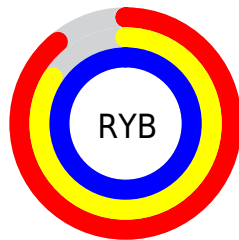
The Yxy color  $72.1518, 0.2952, 0.2877$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $95.4475, 0.3285, 0.3690$ , and the grayscale version is  $73.7959, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.8768, 0.2907, 0.2783$  is the 20% darker color. If you saturate the color by 10%, you get  $57.4166, 0.2819, 0.2581$ , and if you desaturate by 10%, it is  $89.2162, 0.3068, 0.3148$ .

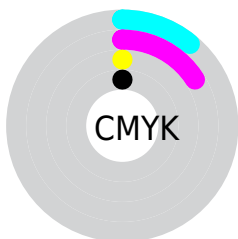
# Distribution



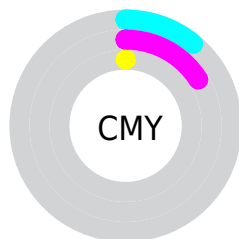
- Red (89%)
- Green (84%)
- Blue (100%)



- 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 72.1518, 0.2952, 0.2877 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 72.1518, 0.2952, 0.2877 by changing the saturation by 10% instead.




 72.1518, 0.2952,  
0.2877

 72.1518, 0.2952,  
0.2877

468.0698, 0.3034,  
0.3063

 53.2827, 0.2933,  
0.2836

122.2723, 0.2981,  
0.2941

 38.0285, 0.2909,  
0.2785


154.2925, 0.2992,  
0.2966

 26.0048, 0.2879,  
0.2722


191.4652, 0.3002,  
0.2987

 16.8272, 0.2840,  
0.2641

234.1748, 0.3010,  
0.3006

 10.1114, 0.2785,  
0.2533

282.8056, 0.3017,  
0.3023

 5.4729, 0.2707,  
0.2384

337.7422, 0.3024,

 2.5273, 0.2584,

0.3038

0.2165

399.3687, 0.3029,  
0.3051

■ 0.8903, 0.2370,  
0.1814

■ 0.0000, 0.0700,  
0.0000

■ 72.1518, 0.2952,  
0.2877

■ 72.1518, 0.2952,  
0.2877

■ 57.4166, 0.2819,  
0.2581

■ 89.2162, 0.3068,  
0.3148

■ 44.8991, 0.2669,  
0.2265

99.9979, 0.3127,  
0.3290

■ 34.4921, 0.2505,  
0.1938

■ 26.0754, 0.2332,  
0.1616

■ 19.5170, 0.2158,  
0.1317

■ 14.6677, 0.1993,  
0.1062

■ 11.3547, 0.1847,  
0.0866

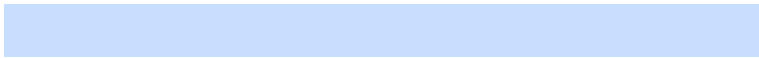
■ 9.3657, 0.1729,  
0.0741

■ 8.7871, 0.1687,  
0.0703

# Harmonies

## Analogous

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



72.1518, 0.2748, 0.2871



72.1518, 0.2952, 0.2877



72.1518, 0.3211, 0.2982

# Triad

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



72.1518, 0.2952, 0.2877



72.1518, 0.3632, 0.3582



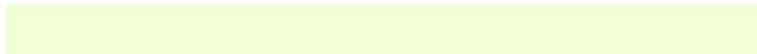
72.1518, 0.2803, 0.3414

# Complementary

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



72.1518, 0.2952, 0.2877



95.4475, 0.3285, 0.3690

# 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.



72.1518, 0.3029, 0.3630



72.1518, 0.2952, 0.2877



72.1518, 0.3511, 0.3720

# Square

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



72.1518, 0.2952, 0.2877



72.1518, 0.3612, 0.3378



72.1518, 0.3288, 0.3742



72.1518, 0.2665, 0.3170



# Rectangle

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



72.1518, 0.2952, 0.2877



72.1518, 0.3380, 0.3096



72.1518, 0.3288, 0.3742



72.1518, 0.2871, 0.3493

# Sweetspot

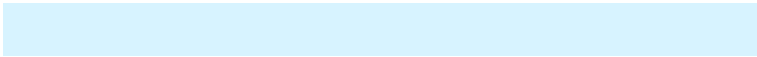
The Sweet Spot groups the original color and five complimentary colors.



72.1548, 0.2952, 0.2877



90.4823, 0.3076, 0.3166



85.7519, 0.2884, 0.3166



19.0911, 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.



72.1548, 0.2952, 0.2877



67.0225, 0.2910, 0.2781



75.5873, 0.3089, 0.2894



17.6429, 0.3026, 0.3048



4.6603, 0.1701, 0.0711



0.5078, 0.1819, 0.0776



# Inverse Universe

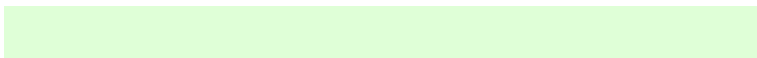
The Inverse Universe completely reimagines the original color for something new.



76.3207, 0.3227, 0.3014



71.9834, 0.3251, 0.2954



92.0921, 0.3157, 0.3706



18.2017, 0.3184, 0.3125



12.8202, 0.4153, 0.2062



1.2676, 0.4019, 0.1988



# Previews

## White Background



This preview shows how the Yxy color 72.1518, 0.2952, 0.2877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

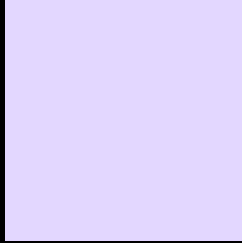
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1518, 0.2952, 0.2877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

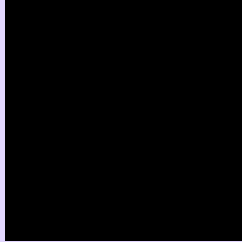
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1518, 0.2952, 0.2877**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1518, 0.2952, 0.2877.

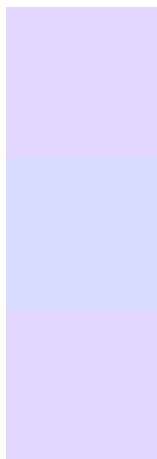


This preview shows how white text looks on a background with the Yxy color 72.1518, 0.2952, 0.2877.

# 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

72.1518, 0.2952, 0.2877

### Protanopia

72.1792, 0.2866, 0.2909

### Deuteranopia

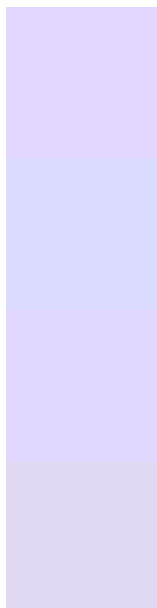
71.9896, 0.2945, 0.2876



## Tritanopia

72.0462, 0.3051, 0.3098

# Trichromacy



## Original Color

72.1518, 0.2952, 0.2877

## Protanomaly

72.4229, 0.2899, 0.2902

## Deuteranomaly

71.9896, 0.2945, 0.2876

## Tritanomaly

72.1043, 0.3014, 0.3016

# Monochromacy



## Original Color

72.1518, 0.2952, 0.2877

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.0319, 0.3057, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1518, 0.2952, 0.2877 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(227, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 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(227, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1518, 0.2952, 0.2877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

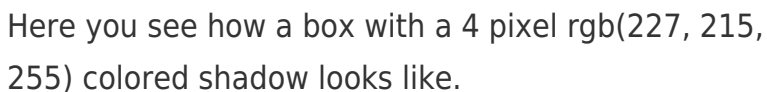
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 215, 255) }
```

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

```
.border{ border-color:rgb(227, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 215, 255); box-shadow:4px 4px 4px 4px rgb(227, 215, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1518, 0.2952, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 255) }
```

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

```
.background{ background-color: rgb(227,  
215, 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