

# Converting Colors

$Y_{xy}(72.6378, 0.2896, 0.2908)$

Have a look what the booklet for  
Yxy(72.6378, 0.2896, 0.2908)  
contains.

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# Color

**Yxy(72.9431, 0.2899, 0.2913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDBFF
RGB	219, 219, 255
RGB Percent	86%, 86%, 100%
CMY	0.1412, 0.1411, 0.0000
CMYK	0.14, 0.14, 0.00, 0.00
HSL	240°, 100%, 93%
HSV	240°, 14%, 100%
XYZ	72.5925, 72.9431, 104.8698
YIQ	223.1040, -11.5560, 11.1960

# Conversions

## Conversions Part 2

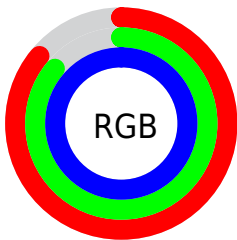
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 219, 255
Decimal	14408703
CIE Lab	88.42, 6.95, -17.48
CIE LCh	88, 18.808, 291.691
Yxy	72.9431, 0.2899, 0.2913
Android (android.graphics.Color)	4292598783 (0xFFDBDBFF)
YUV	223.1040, 15.7247, -3.5992
Hunter-Lab	85.4067, 2.2565, -13.0167

# Details

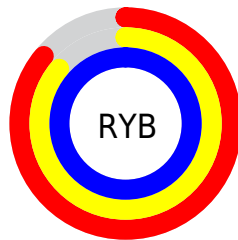
The Yxy color  $72.9431, 0.2899, 0.2913$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $97.8791, 0.3340, 0.3641$ , and the grayscale version is  $73.7617, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $38.5206, 0.2849, 0.2830$  is the 20% darker color. If you saturate the color by 10%, you get  $56.9938, 0.2712, 0.2605$ , and if you desaturate by 10%, it is  $91.5382, 0.3065, 0.3187$ .

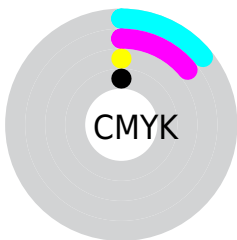
# Distribution



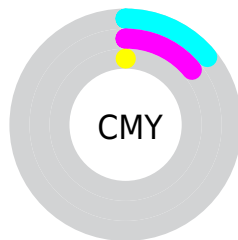
- Red (86%)
- Green (86%)
- Blue (100%)



- Red (86%)
- Yellow (86%)
- Blue (100%)



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



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9431, 0.2899, 0.2913 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 72.9431, 0.2899, 0.2913 by changing the saturation by 10% instead.



72.9431, 0.2899,  
0.2913

72.9431, 0.2899,  
0.2913

470.8176, 0.3005,  
0.3084

53.9294, 0.2875,  
0.2875

123.3964, 0.2936,  
0.2972

38.5453, 0.2845,  
0.2828

155.6049, 0.2950,  
0.2995

26.4061, 0.2807,  
0.2770

192.9804, 0.2962,  
0.3015

17.1277, 0.2758,  
0.2694

235.9074, 0.2973,  
0.3032

10.3256, 0.2691,  
0.2594

284.7702, 0.2982,  
0.3047

5.6154, 0.2596,  
0.2454

339.9532, 0.2991,

2.6126, 0.2449,

0.3061

0.2246

401.8409, 0.2998,  
0.3073

■ 0.9330, 0.2199,  
0.1910

■ 0.0000, 0.0034,  
0.0000

■ 72.9431, 0.2899,  
0.2913

■ 72.9431, 0.2899,  
0.2913

■ 56.9938, 0.2712,  
0.2605

■ 91.5382, 0.3065,  
0.3187

■ 43.5637, 0.2508,  
0.2266

100.0000, 0.3127,  
0.3290

■ 32.5261, 0.2291,  
0.1909

■ 23.7406, 0.2075,  
0.1552

■ 17.0523, 0.1875,  
0.1220

■ 12.2866, 0.1707,  
0.0943

■ 9.2408, 0.1587,  
0.0743

■ 7.6670, 0.1520,  
0.0633

■ 7.2235, 0.1500,  
0.0600

# Harmonies

## Analogous

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



72.9431, 0.2748, 0.2945



72.9431, 0.2899, 0.2913



72.9431, 0.3115, 0.2975

# Triad

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



72.9431, 0.2899, 0.2913



72.9431, 0.3577, 0.3486



72.9431, 0.2910, 0.3475

# Complementary

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



72.9431, 0.2899, 0.2913



97.8791, 0.3340, 0.3641

# 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.



72.9431, 0.3126, 0.3635



72.9431, 0.2899, 0.2913



72.9431, 0.3516, 0.3633

# Square

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



72.9431, 0.2899, 0.2913



72.9431, 0.3513, 0.3297



72.9431, 0.3349, 0.3692



72.9431, 0.2755, 0.3264



# Rectangle

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



72.9431, 0.2899, 0.2913



72.9431, 0.3269, 0.3060



72.9431, 0.3349, 0.3692



72.9431, 0.2978, 0.3537

# Sweetspot

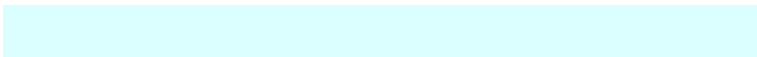
The Sweet Spot groups the original color and five complimentary colors.



72.9454, 0.2899, 0.2913



91.7843, 0.3067, 0.3190



93.7593, 0.2915, 0.3295



19.3255, 0.3055, 0.3171



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.



72.9454, 0.2899, 0.2913



68.0910, 0.2847, 0.2828



75.7757, 0.3016, 0.2926



17.3797, 0.2978, 0.3044



3.7752, 0.1500, 0.0600



0.3682, 0.1501, 0.0601



# Inverse Universe

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



77.0305, 0.3390, 0.3291



72.9094, 0.3455, 0.3291



94.7405, 0.3227, 0.3654



17.9873, 0.3294, 0.3290



11.1091, 0.6400, 0.3299



1.0817, 0.6399, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 72.9431, 0.2899, 0.2913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

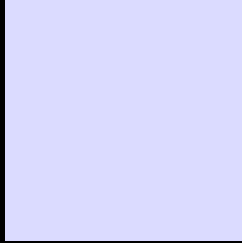
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9431, 0.2899, 0.2913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

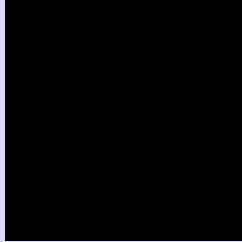
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.9431, 0.2899, 0.2913**

## Background



This preview shows how black text looks on a background with the Yxy color 72.9431, 0.2899, 0.2913.

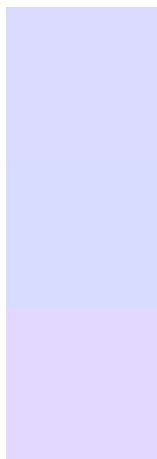


This preview shows how white text looks on a background with the Yxy color 72.9431, 0.2899, 0.2913.

# 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

72.9431, 0.2899, 0.2913

### Protanopia

73.0053, 0.2880, 0.2922

### Deuteranopia

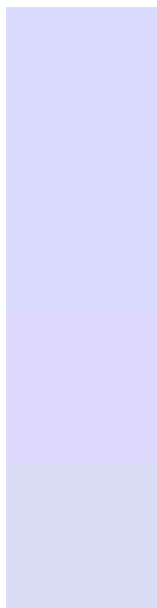
72.6626, 0.2952, 0.2887



## Tritanopia

73.0735, 0.2977, 0.3107

# Trichromacy



## Original Color

72.9431, 0.2899, 0.2913

## Protanomaly

73.1581, 0.2886, 0.2922

## Deuteranomaly

72.6930, 0.2932, 0.2895

## Tritanomaly

73.0572, 0.2947, 0.3034

# Monochromacy



## Original Color

72.9431, 0.2899, 0.2913

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.7703, 0.3043, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9431, 0.2899, 0.2913 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(219, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 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(219, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9431, 0.2899, 0.2913 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(219, 219, 255) }
```

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

```
.border{ border-color:rgb(219, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9431, 0.2899, 0.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 255) }
```

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

```
.background{ background-color: rgb(219,  
219, 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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