

# Converting Colors

Yxy(51.7244, 0.2870, 0.2409)

Have a look what the booklet for  
Yxy(51.7244, 0.2870, 0.2409)  
contains.

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# Color

**Yxy(51.8589, 0.2868, 0.2414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9ADFF
RGB	217, 173, 255
RGB Percent	85%, 68%, 100%
CMY	0.1489, 0.3216, 0.0001
CMYK	0.15, 0.32, 0.00, 0.00
HSL	272°, 100%, 84%
HSV	272°, 32%, 100%
XYZ	61.6120, 51.8589, 101.3547
YIQ	195.5040, -0.0980, 34.8300

# Conversions

## Conversions Part 2

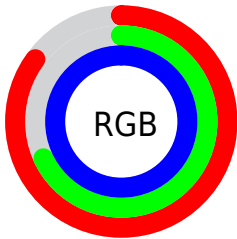
Format	Color
R <sub>Y</sub> B	217, 173, 255
Decimal	14265855
CIE Lab	77.20, 31.02, -34.60
CIE LCh	77, 46.465, 311.877
Yxy	51.8589, 0.2868, 0.2414
Android (android.graphics.Color)	4292455935 (0xFFD9ADFF)
YUV	195.5040, 29.3315, 18.8520
Hunter-Lab	72.0131, 26.6956, -33.0384

# Details

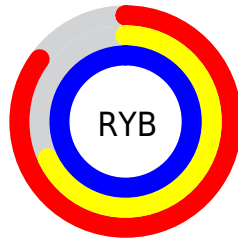
The Yxy color **51.8589, 0.2868, 0.2414** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.3679, 0.3318, 0.4180**, and the grayscale version is **54.7135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **25.0872, 0.2790, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **41.2528, 0.2762, 0.2118**, and if you desaturate by 10%, it is **64.4645, 0.2962, 0.2704**.

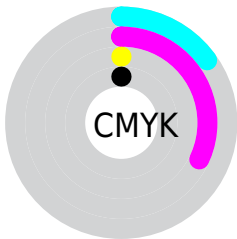
# Distribution



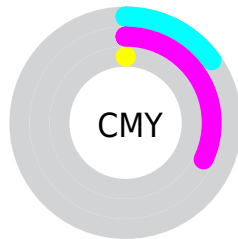
- Red (85%)
- Green (68%)
- Blue (100%)



- Red (85%)
- Yellow (68%)
- Blue (100%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (32%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8589, 0.2868, 0.2414 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 51.8589, 0.2868, 0.2414 by changing the saturation by 10% instead.




 51.8589, 0.2868,  
0.2414

 51.8589, 0.2868,  
0.2414


393.8916, 0.3002,  
0.2814

 36.8926, 0.2834,  
0.2325


 92.9231, 0.2917,  
0.2551

 25.1244, 0.2791,  
0.2217


119.7898, 0.2935,  
0.2605

 16.1697, 0.2734,  
0.2082


151.3922, 0.2951,  
0.2651

 9.6443, 0.2657,  
0.1910

188.1145, 0.2964,  
0.2692

 5.1638, 0.2545,  
0.1687

230.3412, 0.2975,  
0.2728

 2.3437, 0.2375,  
0.1387

278.4567, 0.2985,

 0.7967, 0.2096,

0.2760

0.0977

332.8454, 0.2994,  
0.2788

0.0000, 0.1526,  
0.0000

0.0000, 0.0000,  
0.0000

51.8589, 0.2868,  
0.2414

51.8589, 0.2868,  
0.2414

41.2528, 0.2762,  
0.2118

64.4645, 0.2962,  
0.2704

32.5307, 0.2646,  
0.1827

79.1640, 0.3044,  
0.2980

25.5748, 0.2523,  
0.1556

96.0530, 0.3114,  
0.3237

20.2507, 0.2397,  
0.1318

99.9989, 0.3127,  
0.3290

■ 16.4041, 0.2275,  
0.1127

■ 13.8488, 0.2161,  
0.0991

■ 12.5319, 0.2079,  
0.0919

# Harmonies

## Analogous

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



51.8589, 0.2361, 0.2315



51.8589, 0.2868, 0.2414



51.8589, 0.3504, 0.2696

# Triad

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



51.8589, 0.2868, 0.2414



51.8589, 0.4275, 0.4045



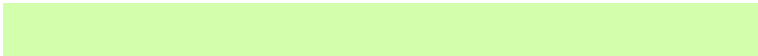
51.8589, 0.2241, 0.3381

# Complementary

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



51.8589, 0.2868, 0.2414



88.3679, 0.3318, 0.4180

# 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.



51.8589, 0.2691, 0.4015



51.8589, 0.2868, 0.2414



51.8589, 0.3869, 0.4375

# Square

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



51.8589, 0.2868, 0.2414



51.8589, 0.4365, 0.3584



51.8589, 0.3286, 0.4400



51.8589, 0.2030, 0.2798



# Rectangle

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



51.8589, 0.2868, 0.2414



51.8589, 0.3907, 0.2960



51.8589, 0.3286, 0.4400



51.8589, 0.2367, 0.3600

# Sweetspot

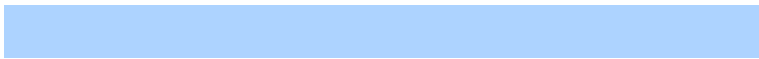
The Sweet Spot groups the original color and five complimentary colors.



51.8610, 0.2868, 0.2414



82.6251, 0.3060, 0.3037



62.8194, 0.2605, 0.2791



17.2008, 0.3049, 0.3000



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.



51.8610, 0.2868, 0.2414



44.3955, 0.2797, 0.2211



58.1871, 0.3186, 0.2512



17.8581, 0.3063, 0.3050



6.6390, 0.2095, 0.0928



0.7114, 0.2214, 0.0993



# Inverse Universe

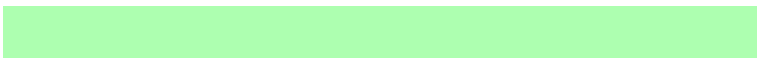
The Inverse Universe completely reimagines the original color for something new.



55.8438, 0.3528, 0.2900



49.1311, 0.3647, 0.2815



83.5168, 0.3068, 0.4215



18.1270, 0.3221, 0.3180



11.8224, 0.5122, 0.2595

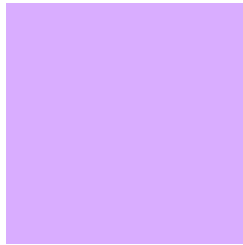


1.1729, 0.4848, 0.2444



# Previews

## White Background



This preview shows how the Yxy color 51.8589, 0.2868, 0.2414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

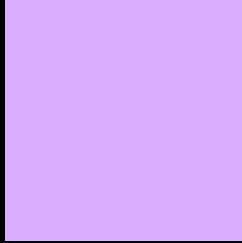
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8589, 0.2868, 0.2414 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 51.8589, 0.2868, 0.2414**

## Background



This preview shows how black text looks on a background with the Yxy color 51.8589, 0.2868, 0.2414.

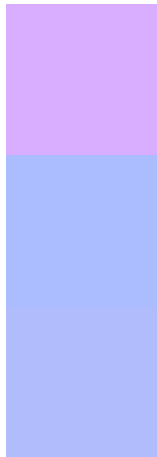


This preview shows how white text looks on a background with the Yxy color 51.8589, 0.2868, 0.2414.

# 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

51.8589, 0.2868, 0.2414

### Protanopia

52.2731, 0.2560, 0.2523

### Deuteranopia

52.2248, 0.2607, 0.2547



## Tritanopia

51.8144, 0.3211, 0.3112

# Trichromacy



## Original Color

51.8589, 0.2868, 0.2414



## Protanomaly

51.7783, 0.2664, 0.2475



## Deuteranomaly

52.0352, 0.2697, 0.2499



## Tritanomaly

51.6059, 0.3082, 0.2842

# Monochromacy



## Original Color

51.8589, 0.2868, 0.2414



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.8136, 0.3039, 0.2951

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8589, 0.2868, 0.2414 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(217, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 173, 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(217, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 173, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8589, 0.2868, 0.2414 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(217, 173, 255) }
```

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

```
.border{ border-color:rgb(217, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 173,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8589, 0.2868, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 173, 255) }
```

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

```
.background{ background-color: rgb(217,  
173, 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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