

# Converting Colors

Yxy(66.5970, 0.2260, 0.1800)

Have a look what the booklet for  
Yxy(66.5970, 0.2260, 0.1800)  
contains.

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# Color

**Yxy(57.9165, 0.2770, 0.2610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC1FF
RGB	202, 193, 255
RGB Percent	79%, 76%, 100%
CMY	0.2079, 0.2431, 0.0001
CMYK	0.21, 0.24, 0.00, 0.00
HSL	249°, 100%, 88%
HSV	249°, 24%, 100%
XYZ	61.4669, 57.9165, 102.5189
YIQ	202.7590, -14.5380, 21.1900

# Conversions

## Conversions Part 2

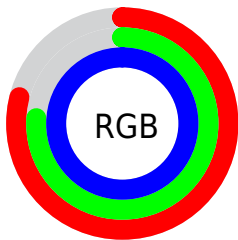
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 193, 255
Decimal	13287935
CIE Lab	80.69, 15.61, -29.31
CIE LCh	81, 33.210, 298.033
Yxy	57.9165, 0.2770, 0.2610
Android (android.graphics.Color)	4291478015 (0xFFCAC1FF)
YUV	202.7590, 25.7548, -0.6656
Hunter-Lab	76.1029, 10.9912, -26.5980

# Details

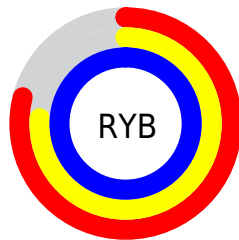
The Yxy color  $57.9165, 0.2770, 0.2610$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $94.9455, 0.3435, 0.3912$ , and the grayscale version is  $59.4033, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.2314, 0.3130, 0.3233$ , and  $28.7455, 0.2677, 0.2446$  is the 20% darker color. If you saturate the color by 10%, you get  $44.7697, 0.2591, 0.2283$ , and if you desaturate by 10%, it is  $73.4412, 0.2931, 0.2912$ .

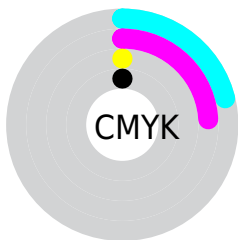
# Distribution



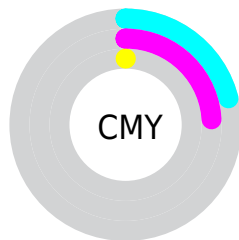
- Red (79%)
- Green (76%)
- Blue (100%)



- Red (79%)
- Yellow (76%)
- Blue (100%)



- Cyan (21%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9165, 0.2770, 0.2610 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 57.9165, 0.2770, 0.2610 by changing the saturation by 10% instead.



■ 57.9165, 0.2770,  
0.2610

■ 57.9165, 0.2770,  
0.2610

■ 416.8747, 0.2943,  
0.2923

■ 41.7415, 0.2729,  
0.2539

■ 101.8013, 0.2831,  
0.2718

■ 28.8990, 0.2677,  
0.2453

■ 130.2798, 0.2855,  
0.2760

■ 19.0044, 0.2611,  
0.2344

■ 163.6284, 0.2875,  
0.2797

■ 11.6735, 0.2523,  
0.2205

■ 202.2313, 0.2892,  
0.2828

■ 6.5217, 0.2401,  
0.2019

■ 246.4730, 0.2907,  
0.2856

■ 3.1648, 0.2222,  
0.1763

■ 296.7379, 0.2921,

■ 1.2184, 0.1942,

0.2881

0.1395

353.4103, 0.2933,  
0.2903

0.0766, 0.1419,  
0.0240

0.0000, 0.0000,  
0.0000

57.9165, 0.2770,  
0.2610

57.9165, 0.2770,  
0.2610

44.7697, 0.2591,  
0.2283

73.4412, 0.2931,  
0.2912

33.8761, 0.2398,  
0.1939

91.4462, 0.3072,  
0.3183

25.1104, 0.2199,  
0.1596

99.9979, 0.3127,  
0.3290

18.3320, 0.2005,  
0.1275

■ 13.3831, 0.1830,  
0.1001

■ 10.0817, 0.1687,  
0.0795

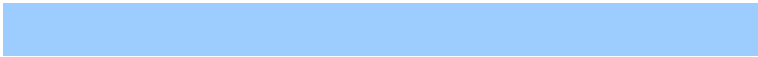
■ 8.2071, 0.1587,  
0.0668

■ 7.6086, 0.1548,  
0.0626

# Harmonies

## Analogous

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



57.9165, 0.2468, 0.2618



57.9165, 0.2770, 0.2610



57.9165, 0.3188, 0.2757

# Triad

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



57.9165, 0.2770, 0.2610



57.9165, 0.3984, 0.3703



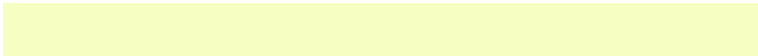
57.9165, 0.2639, 0.3562

# Complementary

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



57.9165, 0.2770, 0.2610



94.9455, 0.3435, 0.3912

# 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.



57.9165, 0.3022, 0.3922



57.9165, 0.2770, 0.2610



57.9165, 0.3806, 0.3972

# Square

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



57.9165, 0.2770, 0.2610



57.9165, 0.3916, 0.3360



57.9165, 0.3450, 0.4070



57.9165, 0.2396, 0.3137



# Rectangle

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



57.9165, 0.2770, 0.2610



57.9165, 0.3481, 0.2924



57.9165, 0.3450, 0.4070



57.9165, 0.2755, 0.3698

# Sweetspot

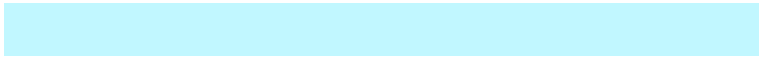
The Sweet Spot groups the original color and five complimentary colors.



57.9188, 0.2770, 0.2610



86.3534, 0.3036, 0.3113



84.9007, 0.2760, 0.3201



18.2440, 0.3028, 0.3097



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.



57.9188, 0.2770, 0.2610



51.4607, 0.2688, 0.2459



62.5641, 0.2987, 0.2651



17.5037, 0.3001, 0.3046



4.0145, 0.1557, 0.0631



0.4268, 0.1640, 0.0677



# Inverse Universe

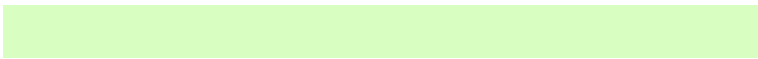
The Inverse Universe completely reimagines the original color for something new.



66.0565, 0.3221, 0.2765



60.8786, 0.3242, 0.2662



89.9088, 0.3236, 0.3953



18.2526, 0.3160, 0.3089



13.7748, 0.3613, 0.1764

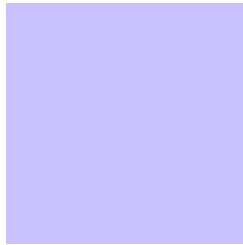


1.3530, 0.3559, 0.1734



# Previews

## White Background



This preview shows how the Yxy color 57.9165, 0.2770, 0.2610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

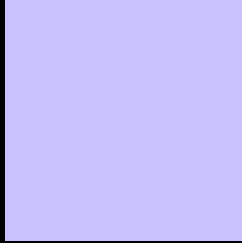
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9165, 0.2770, 0.2610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

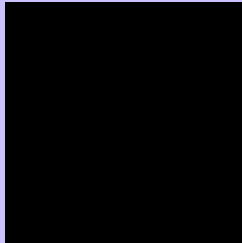
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.9165, 0.2770, 0.2610**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9165, 0.2770, 0.2610.



This preview shows how white text looks on a background with the Yxy color 57.9165, 0.2770, 0.2610.

# 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

57.9165, 0.2770, 0.2610

### Protanopia

58.0473, 0.2668, 0.2647

### Deuteranopia

57.7120, 0.2704, 0.2640



## Tritanopia

57.8685, 0.2977, 0.3101

# Trichromacy



## Original Color

57.9165, 0.2770, 0.2610

## Protanomaly

57.9063, 0.2705, 0.2631

## Deuteranomaly

57.7881, 0.2730, 0.2633

## Tritanomaly

57.6514, 0.2904, 0.2910

# Monochromacy



## Original Color

57.9165, 0.2770, 0.2610

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

58.8173, 0.2995, 0.3025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9165, 0.2770, 0.2610 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(202, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 193, 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(202, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 193, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9165, 0.2770, 0.2610 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(202, 193, 255) }
```

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

```
.border{ border-color:rgb(202, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 193,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9165, 0.2770, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 193, 255) }
```

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

```
.background{ background-color: rgb(202,  
193, 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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