

# Converting Colors

Yxy(61.6232, 0.2828, 0.2684)

Have a look what the booklet for  
Yxy(61.6232, 0.2828, 0.2684)  
contains.

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# Color

**Yxy(61.7685, 0.2829, 0.2686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2C7FF
RGB	210, 199, 255
RGB Percent	82%, 78%, 100%
CMY	0.1765, 0.2196, 0.0000
CMYK	0.18, 0.22, 0.00, 0.00
HSL	252°, 100%, 89%
HSV	252°, 22%, 100%
XYZ	65.0570, 61.7685, 103.1391
YIQ	208.6730, -11.4200, 19.7480

# Conversions

## Conversions Part 2

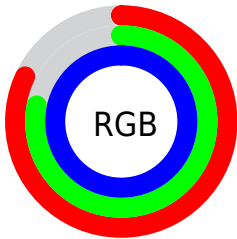
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 199, 255
Decimal	13813759
CIE Lab	82.79, 14.83, -26.09
CIE LCh	83, 30.009, 299.605
Yxy	61.7685, 0.2829, 0.2686
Android (android.graphics.Color)	4292003839 (0xFFD2C7FF)
YUV	208.6730, 22.8392, 1.1638
Hunter-Lab	78.5929, 10.2196, -22.7924

# Details

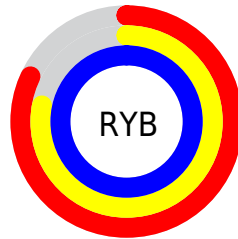
The Yxy color **61.7685, 0.2829, 0.2686** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.8764, 0.3386, 0.3854**, and the grayscale version is **63.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.2966, 0.2755, 0.2548** is the 20% darker color. If you saturate the color by 10%, you get **48.1830, 0.2664, 0.2368**, and if you desaturate by 10%, it is **77.7043, 0.2976, 0.2979**.

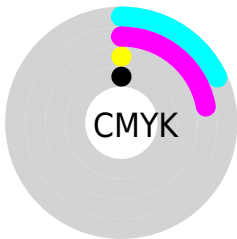
# Distribution



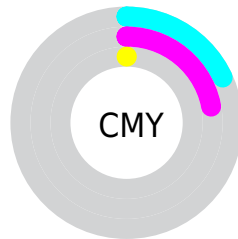
- Red (82%)
- Green (78%)
- Blue (100%)



- Red (82%)
- Yellow (78%)
- Blue (100%)



- Cyan (18%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7685, 0.2829, 0.2686 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 61.7685, 0.2829, 0.2686 by changing the saturation by 10% instead.



■ 61.7685, 0.2829,  
0.2686

■ 61.7685, 0.2829,  
0.2686

431.0862, 0.2972,  
0.2962

■ 44.8457, 0.2795,  
0.2624

107.3909, 0.2880,  
0.2781

■ 31.3359, 0.2753,  
0.2548

136.8592, 0.2899,  
0.2818

■ 20.8547, 0.2699,  
0.2453

171.2782, 0.2916,  
0.2851

■ 13.0179, 0.2626,  
0.2330

211.0322, 0.2930,  
0.2879

■ 7.4409, 0.2527,  
0.2167

256.5055, 0.2943,  
0.2903

■ 3.7393, 0.2381,  
0.1941

308.0827, 0.2954,

■ 1.5288, 0.2151,

0.2925

0.1613

366.1482, 0.2964,  
0.2945

0.3089, 0.1778,  
0.0838

0.0000, 0.0000,  
0.0000

61.7685, 0.2829,  
0.2686

61.7685, 0.2829,  
0.2686

48.1830, 0.2664,  
0.2368

77.7043, 0.2976,  
0.2979

36.8366, 0.2484,  
0.2033

96.0964, 0.3104,  
0.3242

27.6072, 0.2294,  
0.1694

100.0000, 0.3127,  
0.3290

20.3613, 0.2103,  
0.1371

■ 14.9500, 0.1925,  
0.1087

■ 11.2028, 0.1770,  
0.0864

■ 8.9161, 0.1651,  
0.0715

■ 7.9005, 0.1583,  
0.0646

# Harmonies

## Analogous

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



61.7685, 0.2551, 0.2688



61.7685, 0.2829, 0.2686



61.7685, 0.3204, 0.2824

# Triad

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



61.7685, 0.2829, 0.2686



61.7685, 0.3882, 0.3677



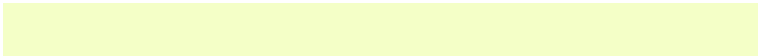
61.7685, 0.2680, 0.3511

# Complementary

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



61.7685, 0.2829, 0.2686



94.8764, 0.3386, 0.3854

# 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.



61.7685, 0.3017, 0.3831



61.7685, 0.2829, 0.2686



61.7685, 0.3717, 0.3905

# Square

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



61.7685, 0.2829, 0.2686



61.7685, 0.3832, 0.3373



61.7685, 0.3397, 0.3975



61.7685, 0.2469, 0.3140



# Rectangle

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



61.7685, 0.2829, 0.2686



61.7685, 0.3461, 0.2978



61.7685, 0.3397, 0.3975



61.7685, 0.2782, 0.3630

# Sweetspot

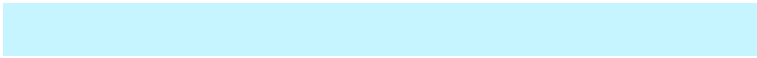
The Sweet Spot groups the original color and five complimentary colors.



61.7681, 0.2829, 0.2686



86.5156, 0.3042, 0.3113



84.5055, 0.2792, 0.3181



18.2814, 0.3034, 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.



61.7681, 0.2829, 0.2686



56.0044, 0.2765, 0.2561



66.1168, 0.3023, 0.2720



17.5495, 0.3009, 0.3046



4.1765, 0.1594, 0.0652



0.4493, 0.1691, 0.0705



# Inverse Universe

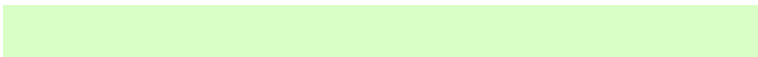
The Inverse Universe completely reimagines the original color for something new.



68.6380, 0.3231, 0.2844



63.9356, 0.3254, 0.2760



90.3543, 0.3209, 0.3886



18.2356, 0.3168, 0.3101



13.4313, 0.3780, 0.1856

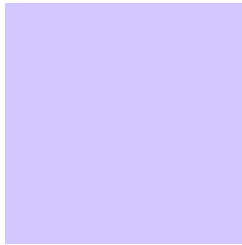


1.3226, 0.3702, 0.1813



# Previews

## White Background



This preview shows how the Yxy color 61.7685, 0.2829, 0.2686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

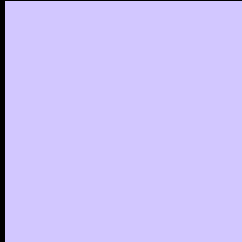
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7685, 0.2829, 0.2686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

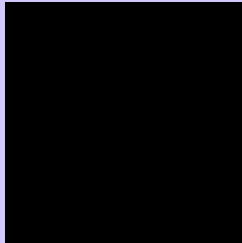
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.7685, 0.2829, 0.2686**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7685, 0.2829, 0.2686.

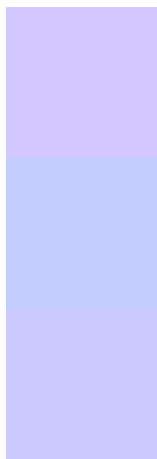


This preview shows how white text looks on a background with the Yxy color 61.7685, 0.2829, 0.2686.

# 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

61.7685, 0.2829, 0.2686

### Protanopia

61.8751, 0.2726, 0.2725

### Deuteranopia

61.9534, 0.2783, 0.2721



## Tritanopia

61.7205, 0.3009, 0.3107

# Trichromacy



## Original Color

61.7685, 0.2829, 0.2686

## Protanomaly

61.7404, 0.2764, 0.2709

## Deuteranomaly

61.9082, 0.2802, 0.2713

## Tritanomaly

61.7169, 0.2943, 0.2953

# Monochromacy



## Original Color

61.7685, 0.2829, 0.2686

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

62.7089, 0.3012, 0.3054

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7685, 0.2829, 0.2686 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(210, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 199, 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(210, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 199, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7685, 0.2829, 0.2686 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(210, 199, 255) }
```

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

```
.border{ border-color:rgb(210, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 199,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7685, 0.2829, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 199, 255) }
```

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

```
.background{ background-color: rgb(210,  
199, 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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