

# Converting Colors

$Yxy(62.3014, 0.2883, 0.2681)$

Have a look what the booklet for  
Yxy(62.3014, 0.2883, 0.2681)  
contains.

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# Color

**Yxy(62.5136, 0.2885, 0.2685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAC6FF
RGB	218, 198, 255
RGB Percent	85%, 78%, 100%
CMY	0.1449, 0.2236, 0.0000
CMYK	0.14, 0.22, 0.00, 0.00
HSL	261°, 100%, 89%
HSV	261°, 22%, 100%
XYZ	67.1701, 62.5136, 103.1416
YIQ	210.4780, -6.3770, 21.9670

# Conversions

## Conversions Part 2

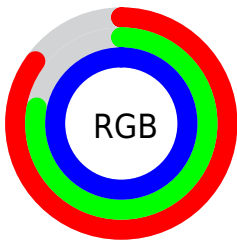
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	218, 198, 255
Decimal	14337791
CIE <sub>Lab</sub>	83.19, 17.84, -25.41
CIE <sub>LCh</sub>	83, 31.048, 305.071
Yxy	62.5136, 0.2885, 0.2685
Android (android.graphics.Color)	4292527871 (0xFFDAC6FF)
YUV	210.4780, 21.9493, 6.5968
Hunter-Lab	79.0655, 13.2799, -21.9984

# Details

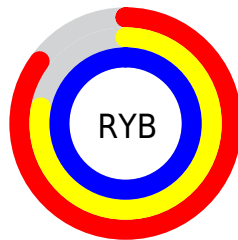
The Yxy color  $62.5136, 0.2885, 0.2685$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $93.2472, 0.3333, 0.3875$ , and the grayscale version is  $64.6400, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $31.8103, 0.2826, 0.2549$  is the 20% darker color. If you saturate the color by 10%, you get  $49.4014, 0.2751, 0.2379$ , and if you desaturate by 10%, it is  $77.8460, 0.3003, 0.2971$ .

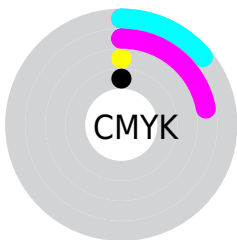
# Distribution



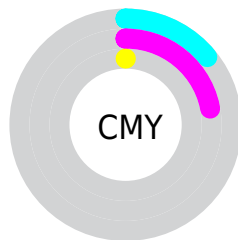
- Red (85%)
- Green (78%)
- Blue (100%)



- Red (85%)
- Yellow (78%)
- Blue (100%)



- Cyan (14%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5136, 0.2885, 0.2685 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 62.5136, 0.2885, 0.2685 by changing the saturation by 10% instead.




 62.5136, 0.2885,  
0.2685

 62.5136, 0.2885,  
0.2685


433.8021, 0.3003,  
0.2960

 45.4478, 0.2857,  
0.2623


108.4675, 0.2927,  
0.2780

 31.8103, 0.2822,  
0.2548

138.1244, 0.2943,  
0.2817

 21.2167, 0.2777,  
0.2454


172.7471, 0.2956,  
0.2849

 13.2825, 0.2716,  
0.2333

212.7201, 0.2968,  
0.2877

 7.6233, 0.2632,  
0.2173

258.4277, 0.2978,  
0.2901

 3.8549, 0.2508,  
0.1952

310.2543, 0.2987,

 1.5927, 0.2309,

0.2923

0.1632

368.5843, 0.2995,  
0.2943

0.3527, 0.2004,  
0.0917

0.0000, 0.0000,  
0.0000

62.5136, 0.2885,  
0.2685

62.5136, 0.2885,  
0.2685

49.4014, 0.2751,  
0.2379

77.8460, 0.3003,  
0.2971

38.3980, 0.2602,  
0.2061

95.4911, 0.3105,  
0.3232

29.3908, 0.2442,  
0.1742

100.0000, 0.3127,  
0.3290

22.2543, 0.2277,  
0.1441

■ 16.8481, 0.2115,  
0.1175

■ 13.0110, 0.1965,  
0.0962

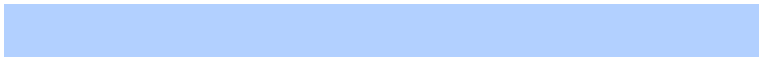
■ 10.5495, 0.1835,  
0.0813

■ 9.3813, 0.1753,  
0.0739

# Harmonies

## Analogous

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



62.5136, 0.2576, 0.2658



62.5136, 0.2885, 0.2685



62.5136, 0.3280, 0.2850

# Triad

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



62.5136, 0.2885, 0.2685



62.5136, 0.3889, 0.3738



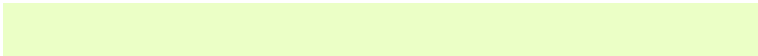
62.5136, 0.2616, 0.3447

# Complementary

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



62.5136, 0.2885, 0.2685



93.2472, 0.3333, 0.3875

# 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.



62.5136, 0.2943, 0.3799



62.5136, 0.2885, 0.2685



62.5136, 0.3684, 0.3951

# Square

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



62.5136, 0.2885, 0.2685



62.5136, 0.3880, 0.3433



62.5136, 0.3334, 0.3987



62.5136, 0.2428, 0.3070



# Rectangle

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



62.5136, 0.2885, 0.2685



62.5136, 0.3538, 0.3019



62.5136, 0.3334, 0.3987



62.5136, 0.2712, 0.3575

# Sweetspot

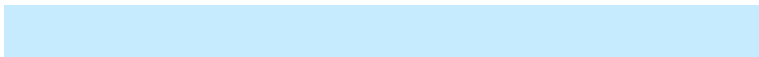
The Sweet Spot groups the original color and five complimentary colors.



62.5155, 0.2885, 0.2685



87.0071, 0.3060, 0.3114



78.6664, 0.2778, 0.3076



18.3950, 0.3054, 0.3098



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.



62.5155, 0.2885, 0.2685



56.1591, 0.2825, 0.2545



67.2757, 0.3090, 0.2721



17.6887, 0.3034, 0.3048



4.9771, 0.1769, 0.0748



0.5429, 0.1892, 0.0816



# Inverse Universe

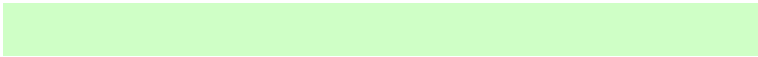
The Inverse Universe completely reimagines the original color for something new.



67.6361, 0.3299, 0.2920



62.1974, 0.3344, 0.2840



88.7956, 0.3150, 0.3909



18.1854, 0.3192, 0.3137



12.5624, 0.4350, 0.2170

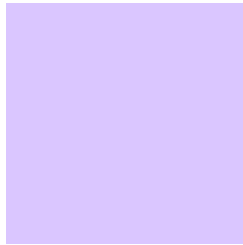


1.2439, 0.4185, 0.2079



# Previews

## White Background



This preview shows how the Yxy color 62.5136, 0.2885, 0.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

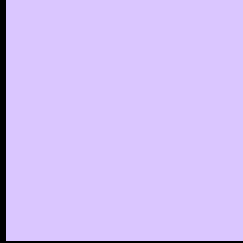
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5136, 0.2885, 0.2685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

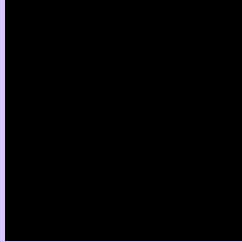
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.5136, 0.2885, 0.2685**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5136, 0.2885, 0.2685.

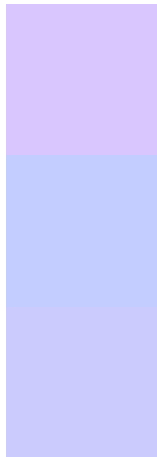


This preview shows how white text looks on a background with the Yxy color 62.5136, 0.2885, 0.2685.

# 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

62.5136, 0.2885, 0.2685

### Protanopia

62.4847, 0.2733, 0.2738

### Deuteranopia

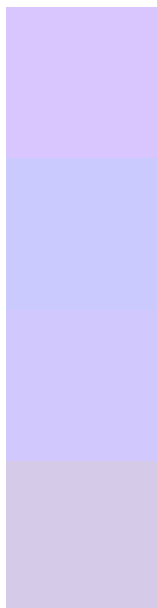
62.7050, 0.2797, 0.2734



## Tritanopia

62.3501, 0.3075, 0.3110

# Trichromacy



## Original Color

62.5136, 0.2885, 0.2685

## Protanomaly

62.1576, 0.2784, 0.2712

## Deuteranomaly

62.4844, 0.2830, 0.2717

## Tritanomaly

62.4204, 0.3001, 0.2948

# Monochromacy



## Original Color

62.5136, 0.2885, 0.2685

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.7797, 0.3041, 0.3067

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5136, 0.2885, 0.2685 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(218, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 198, 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(218, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 198, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5136, 0.2885, 0.2685 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(218, 198, 255) }
```

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

```
.border{ border-color:rgb(218, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 198,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5136, 0.2885, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 198, 255) }
```

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

```
.background{ background-color: rgb(218,  
198, 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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