

# Converting Colors

$Y_{xy}(63.5095, 0.2819, 0.2593)$

Have a look what the booklet for  
Yxy(63.5095, 0.2819, 0.2593)  
contains.

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# Color

**Yxy(62.9723, 0.2885, 0.2696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAC7FF
RGB	218, 199, 255
RGB Percent	85%, 78%, 100%
CMY	0.1451, 0.2196, 0.0000
CMYK	0.15, 0.22, 0.00, 0.00
HSL	260°, 100%, 89%
HSV	260°, 22%, 100%
XYZ	67.3869, 62.9723, 103.2176
YIQ	211.0650, -6.6520, 21.4440

# Conversions

## Conversions Part 2

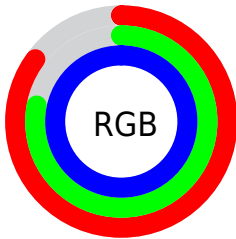
Format	Color
R <sub>Y</sub> B	218, 199, 255
Decimal	14338047
CIE Lab	83.43, 17.28, -25.04
CIE LCh	83, 30.423, 304.600
Yxy	62.9723, 0.2885, 0.2696
Android (android.graphics.Color)	4292528127 (0xFFDAC7FF)
YUV	211.0650, 21.6600, 6.0820
Hunter-Lab	79.3551, 12.7076, -21.5703

# Details

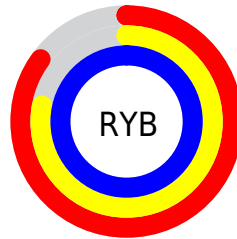
The Yxy color  $62.9723, 0.2885, 0.2696$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $93.4779, 0.3334, 0.3863$ , and the grayscale version is  $65.0450, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $32.1145, 0.2827, 0.2563$  is the 20% darker color. If you saturate the color by 10%, you get  $49.7392, 0.2749, 0.2390$ , and if you desaturate by 10%, it is  $78.4397, 0.3005, 0.2982$ .

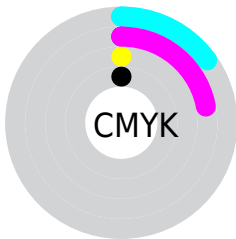
# Distribution



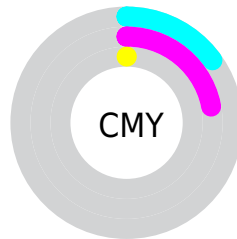
- Red (85%)
- Green (78%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9723, 0.2885, 0.2696 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 62.9723, 0.2885, 0.2696 by changing the saturation by 10% instead.



62.9723, 0.2885,  
0.2696

62.9723, 0.2885,  
0.2696

435.4690, 0.3002,  
0.2966

45.8188, 0.2857,  
0.2636

109.1295, 0.2927,  
0.2789

32.1029, 0.2822,  
0.2562

138.9021, 0.2943,  
0.2825

21.4401, 0.2777,  
0.2469

173.6498, 0.2956,  
0.2857

13.4461, 0.2717,  
0.2351

213.7570, 0.2968,  
0.2884

7.7364, 0.2634,  
0.2193

259.6081, 0.2978,  
0.2908

3.9268, 0.2511,  
0.1976

311.5875, 0.2987,

1.6327, 0.2315,

0.2930

0.1661

370.0797, 0.2995,  
0.2949

0.3795, 0.2010,  
0.0975

0.0000, 0.0000,  
0.0000

62.9723, 0.2885,  
0.2696

62.9723, 0.2885,  
0.2696

49.7392, 0.2749,  
0.2390

78.4397, 0.3005,  
0.2982

38.6284, 0.2598,  
0.2070

96.2338, 0.3109,  
0.3242

29.5276, 0.2435,  
0.1750

100.0000, 0.3127,  
0.3290

22.3110, 0.2268,  
0.1445

■ 16.8384, 0.2103,  
0.1176

■ 12.9489, 0.1952,  
0.0959

■ 10.4501, 0.1821,  
0.0808

■ 9.2219, 0.1735,  
0.0730

# Harmonies

## Analogous

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



62.9723, 0.2584, 0.2673



62.9723, 0.2885, 0.2696



62.9723, 0.3270, 0.2855

# Triad

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



62.9723, 0.2885, 0.2696



62.9723, 0.3874, 0.3725



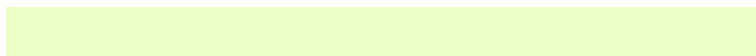
62.9723, 0.2631, 0.3450

# Complementary

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



62.9723, 0.2885, 0.2696



93.4779, 0.3334, 0.3863

# 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.



62.9723, 0.2954, 0.3791



62.9723, 0.2885, 0.2696



62.9723, 0.3676, 0.3935

# Square

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



62.9723, 0.2885, 0.2696



62.9723, 0.3861, 0.3426



62.9723, 0.3336, 0.3971



62.9723, 0.2444, 0.3081



# Rectangle

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



62.9723, 0.2885, 0.2696



62.9723, 0.3523, 0.3020



62.9723, 0.3336, 0.3971



62.9723, 0.2726, 0.3574

# Sweetspot

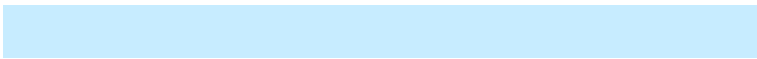
The Sweet Spot groups the original color and five complimentary colors.



62.9743, 0.2885, 0.2696



86.9664, 0.3058, 0.3114



79.5468, 0.2785, 0.3090



18.3856, 0.3052, 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.



62.9743, 0.2885, 0.2696



57.3629, 0.2832, 0.2574



67.6020, 0.3084, 0.2730



17.6771, 0.3032, 0.3048



4.8920, 0.1751, 0.0738



0.5336, 0.1873, 0.0805



# Inverse Universe

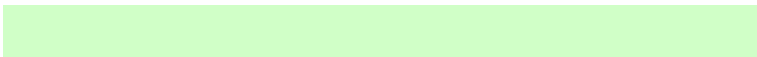
The Inverse Universe completely reimagines the original color for something new.



68.1658, 0.3290, 0.2920



63.3816, 0.3327, 0.2849



89.1027, 0.3156, 0.3896



18.1895, 0.3190, 0.3134



12.6250, 0.4300, 0.2142

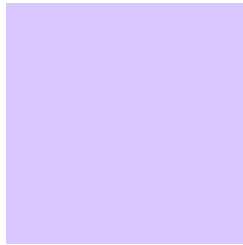


1.2497, 0.4143, 0.2056



# Previews

## White Background



This preview shows how the Yxy color 62.9723, 0.2885, 0.2696 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 62.9723, 0.2885, 0.2696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

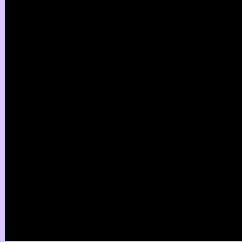
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9723, 0.2885, 0.2696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9723, 0.2885, 0.2696.

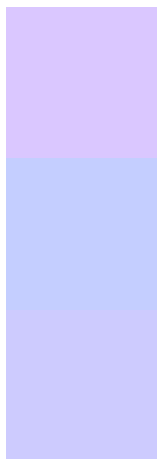


This preview shows how white text looks on a background with the Yxy color 62.9723, 0.2885, 0.2696.

# 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

62.9723, 0.2885, 0.2696

### Protanopia

63.0984, 0.2741, 0.2750

### Deuteranopia

62.8468, 0.2804, 0.2735



## Tritanopia

62.8801, 0.3068, 0.3110

# Trichromacy



## Original Color

62.9723, 0.2885, 0.2696

## Protanomaly

62.7692, 0.2791, 0.2724

## Deuteranomaly

63.0985, 0.2837, 0.2729

## Tritanomaly

62.8912, 0.3001, 0.2959

# Monochromacy



## Original Color

62.9723, 0.2885, 0.2696

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.4678, 0.3041, 0.3068

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9723, 0.2885, 0.2696 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 199, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9723, 0.2885, 0.2696 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, 199, 255) }
```

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

```
.border{ border-color:rgb(218, 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(218, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 199,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9723, 0.2885, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 199, 255) }
```

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

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