

# Converting Colors

$Y_{xy}(63.4900, 0.2904, 0.2756)$

Have a look what the booklet for  
Yxy(63.4900, 0.2904, 0.2756)  
contains.

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# Color

**Yxy(63.4900, 0.2904, 0.2756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9C9FB
RGB	217, 201, 251
RGB Percent	85%, 79%, 98%
CMY	0.1492, 0.2117, 0.0158
CMYK	0.14, 0.20, 0.00, 0.02
HSL	259°, 86%, 89%
HSV	259°, 20%, 98%
XYZ	66.8995, 63.4900, 99.9806
YIQ	211.4840, -6.5140, 18.9420

# Conversions

## Conversions Part 2

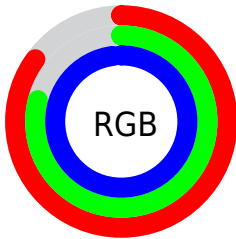
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 201, 251
Decimal	14273019
CIE Lab	83.70, 15.03, -22.50
CIE LCh	84, 27.055, 303.739
Yxy	63.4900, 0.2904, 0.2756
Android (android.graphics.Color)	4292463099 (0xFFD9C9FB)
YUV	211.4840, 19.4814, 4.8375
Hunter-Lab	79.6806, 10.4267, -18.6187

# Details

The Yxy color  $63.4900, 0.2904, 0.2756$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $90.8752, 0.3321, 0.3805$ , and the grayscale version is  $65.3470, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $32.4439, 0.2852, 0.2638$  is the 20% darker color. If you saturate the color by 10%, you get  $50.2442, 0.2767, 0.2452$ , and if you desaturate by 10%, it is  $78.9245, 0.3024, 0.3037$ .

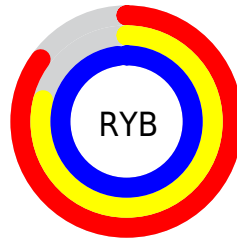
# Distribution



Red (85%)

Green (79%)

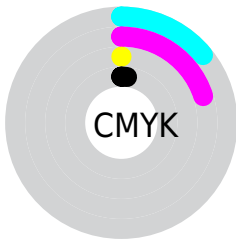
Blue (98%)



Red (85%)

Yellow (79%)

Blue (98%)

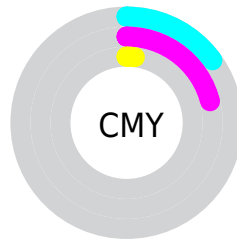


Cyan (14%)

Magenta (20%)

Yellow (0%)

Black (2%)



Cyan (15%)

Magenta (21%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4900, 0.2904, 0.2756 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 63.4900, 0.2904, 0.2756 by changing the saturation by 10% instead.



63.4900, 0.2904,  
0.2756

63.4900, 0.2904,  
0.2756

437.3456, 0.3012,  
0.3000

46.2377, 0.2878,  
0.2701

109.8761, 0.2942,  
0.2840

32.4335, 0.2846,  
0.2634

139.7788, 0.2957,  
0.2873

21.6928, 0.2805,  
0.2550

174.6670, 0.2969,  
0.2901

13.6313, 0.2750,  
0.2441

214.9252, 0.2980,  
0.2926

7.8647, 0.2674,  
0.2296

260.9378, 0.2989,  
0.2948

4.0085, 0.2561,  
0.2093

313.0891, 0.2998,

1.6783, 0.2379,

0.2967

0.1794

371.7636, 0.3005,  
0.2985

0.4096, 0.2091,  
0.1133

0.0000, 0.0000,  
0.0000

63.4900, 0.2904,  
0.2756

63.4900, 0.2904,  
0.2756

50.2442, 0.2767,  
0.2452

78.9245, 0.3024,  
0.3037

39.0781, 0.2615,  
0.2132

96.6340, 0.3128,  
0.3292

29.8854, 0.2450,  
0.1808

99.7440, 0.3150,  
0.3328

22.5467, 0.2279,  
0.1496

■ 16.9295, 0.2110,  
0.1215

■ 12.8829, 0.1953,  
0.0985

■ 10.2283, 0.1818,  
0.0818

■ 8.6807, 0.1710,  
0.0716

■ 8.6683, 0.1709,  
0.0715

# Harmonies

## Analogous

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



63.4900, 0.2637, 0.2741



63.4900, 0.2904, 0.2756



63.4900, 0.3245, 0.2896

# Triad

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



63.4900, 0.2904, 0.2756



63.4900, 0.3792, 0.3674



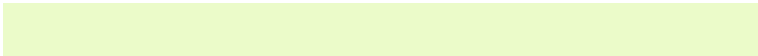
63.4900, 0.2693, 0.3442

# Complementary

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



63.4900, 0.2904, 0.2756



90.8752, 0.3321, 0.3805

# 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.



63.4900, 0.2984, 0.3738



63.4900, 0.2904, 0.2756



63.4900, 0.3623, 0.3860

# Square

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



63.4900, 0.2904, 0.2756



63.4900, 0.3774, 0.3407



63.4900, 0.3325, 0.3893



63.4900, 0.2521, 0.3116



# Rectangle

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



63.4900, 0.2904, 0.2756



63.4900, 0.3470, 0.3043



63.4900, 0.3325, 0.3893



63.4900, 0.2780, 0.3550

# Sweetspot

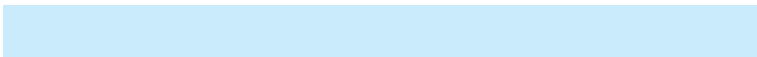
The Sweet Spot groups the original color and five complimentary colors.



63.4926, 0.2904, 0.2756



88.6999, 0.3067, 0.3140



78.8953, 0.2818, 0.3120



18.7334, 0.3060, 0.3123



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.



63.4926, 0.2904, 0.2756



59.9058, 0.2850, 0.2633



67.5956, 0.3083, 0.2784



16.9114, 0.3029, 0.3048



4.6258, 0.1724, 0.0724



0.4826, 0.1850, 0.0793



# Inverse Universe

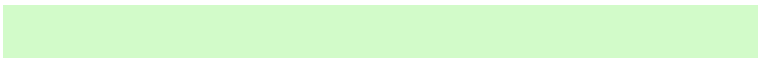
The Inverse Universe completely reimagines the original color for something new.



68.2934, 0.3265, 0.2946



65.7816, 0.3299, 0.2872



86.9309, 0.3159, 0.3832



17.4249, 0.3187, 0.3130



12.3541, 0.4219, 0.2098



1.1635, 0.4067, 0.2014



# Previews

## White Background



This preview shows how the Yxy color 63.4900, 0.2904, 0.2756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

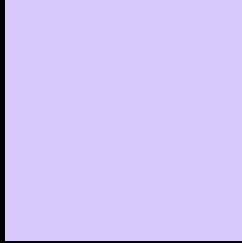
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4900, 0.2904, 0.2756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

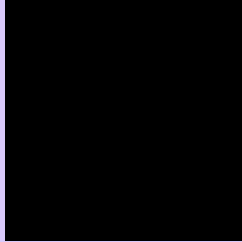
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4900, 0.2904, 0.2756**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4900, 0.2904, 0.2756.

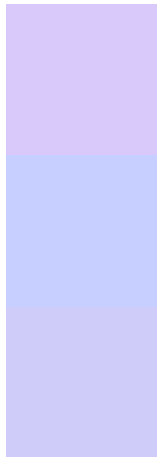


This preview shows how white text looks on a background with the Yxy color 63.4900, 0.2904, 0.2756.

# 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

63.4900, 0.2904, 0.2756

### Protanopia

63.8514, 0.2755, 0.2763

### Deuteranopia

63.4978, 0.2849, 0.2789



## Tritanopia

63.4136, 0.3061, 0.3110

# Trichromacy



## Original Color

63.4900, 0.2904, 0.2756

## Protanomaly

63.7975, 0.2805, 0.2758

## Deuteranomaly

63.4629, 0.2869, 0.2781

## Tritanomaly

63.3651, 0.3001, 0.2970

# Monochromacy



## Original Color

63.4900, 0.2904, 0.2756

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.2628, 0.3041, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4900, 0.2904, 0.2756 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, 201, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 201, 251)  
}
```

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, 201, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 201, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4900, 0.2904, 0.2756 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, 201, 251) }
```

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

```
.border{ border-color:rgb(217, 201, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 201, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 201, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 201, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 201,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4900, 0.2904, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 201, 251) }
```

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

```
.background{ background-color: rgb(217,  
201, 251) }
```

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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