

# Converting Colors

$Y_{xy}(63.6725, 0.2951, 0.2752)$

Have a look what the booklet for  
Yxy(63.6725, 0.2951, 0.2752)  
contains.

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# Color

**Yxy(63.4370, 0.2953, 0.2750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC7FA
RGB	223, 199, 250
RGB Percent	87%, 78%, 98%
CMY	0.1254, 0.2196, 0.0195
CMYK	0.11, 0.20, 0.00, 0.02
HSL	268°, 84%, 88%
HSV	268°, 20%, 98%
XYZ	68.1198, 63.4370, 99.1232
YIQ	211.9900, -2.0670, 20.9490

# Conversions

## Conversions Part 2

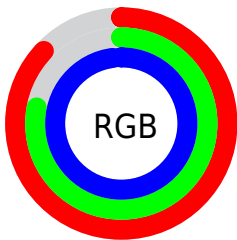
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 199, 250
Decimal	14665722
CIE Lab	83.67, 17.83, -21.99
CIE LCh	84, 28.312, 309.045
Yxy	63.4370, 0.2953, 0.2750
Android (android.graphics.Color)	4292855802 (0xFFDFC7FA)
YUV	211.9900, 18.7389, 9.6558
Hunter-Lab	79.6473, 13.2824, -18.0348

# Details

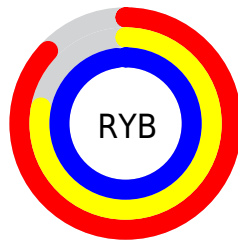
The Yxy color **63.4370, 0.2953, 0.2750** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.6837, 0.3274, 0.3828**, and the grayscale version is **65.7096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.3165, 0.2906, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **50.8438, 0.2847, 0.2457**, and if you desaturate by 10%, it is **78.0899, 0.3045, 0.3026**.

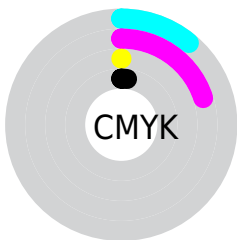
# Distribution



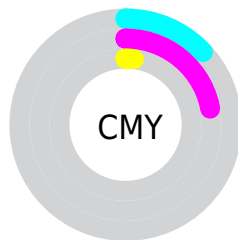
- Red (87%)
- Green (78%)
- Blue (98%)



- Red (87%)
- Yellow (78%)
- Blue (98%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (22%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4370, 0.2953, 0.2750 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 63.4370, 0.2953, 0.2750 by changing the saturation by 10% instead.



63.4370, 0.2953,  
0.2750

63.4370, 0.2953,  
0.2750

437.1537, 0.3038,  
0.2996

46.1948, 0.2933,  
0.2695

109.7997, 0.2983,  
0.2835

32.3996, 0.2907,  
0.2627

139.6891, 0.2995,  
0.2868

21.6669, 0.2873,  
0.2543

174.5629, 0.3005,  
0.2896

13.6123, 0.2828,  
0.2434

214.8057, 0.3013,  
0.2921

7.8515, 0.2765,  
0.2289

260.8018, 0.3021,  
0.2943

4.0001, 0.2671,  
0.2087

312.9355, 0.3027,

1.6736, 0.2516,

0.2963

0.1789

371.5914, 0.3033,  
0.2980

0.4065, 0.2279,  
0.1127

0.0000, 0.0000,  
0.0000

63.4370, 0.2953,  
0.2750

63.4370, 0.2953,  
0.2750

50.8438, 0.2847,  
0.2457

78.0899, 0.3045,  
0.3026

40.2065, 0.2728,  
0.2154

94.8840, 0.3124,  
0.3280

31.4238, 0.2597,  
0.1852

99.6842, 0.3156,  
0.3337

24.3819, 0.2459,  
0.1564

■ 18.9543, 0.2318,  
0.1308

■ 14.9962, 0.2182,  
0.1098

■ 12.3352, 0.2056,  
0.0944

■ 10.7373, 0.1950,  
0.0848

# Harmonies

## Analogous

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



63.4370, 0.2655, 0.2709



63.4370, 0.2953, 0.2750



63.4370, 0.3315, 0.2916

# Triad

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



63.4370, 0.2953, 0.2750



63.4370, 0.3805, 0.3733



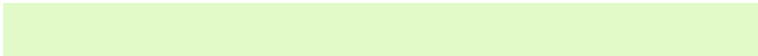
63.4370, 0.2631, 0.3387

# Complementary

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



63.4370, 0.2953, 0.2750



88.6837, 0.3274, 0.3828

# 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.



63.4370, 0.2917, 0.3713



63.4370, 0.2953, 0.2750



63.4370, 0.3598, 0.3906

# Square

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



63.4370, 0.2953, 0.2750



63.4370, 0.3823, 0.3463



63.4370, 0.3271, 0.3908



63.4370, 0.2478, 0.3052



# Rectangle

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



63.4370, 0.2953, 0.2750



63.4370, 0.3543, 0.3078



63.4370, 0.3271, 0.3908



63.4370, 0.2714, 0.3503

# Sweetspot

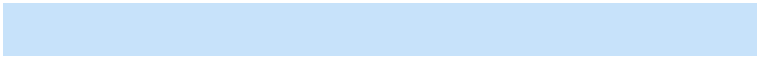
The Sweet Spot groups the original color and five complimentary colors.



63.4397, 0.2953, 0.2750



89.1205, 0.3082, 0.3141



73.5545, 0.2805, 0.3031



18.8327, 0.3076, 0.3124



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.



63.4397, 0.2953, 0.2750



61.3420, 0.2916, 0.2646



67.7647, 0.3138, 0.2780



17.0437, 0.3053, 0.3050



5.7778, 0.1966, 0.0857



0.5976, 0.2097, 0.0929



# Inverse Universe

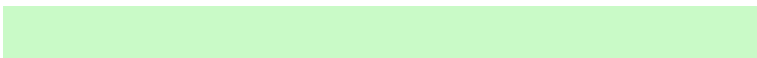
The Inverse Universe completely reimagines the original color for something new.



66.6644, 0.3327, 0.3014



65.2556, 0.3371, 0.2963



84.8902, 0.3111, 0.3855



17.3787, 0.3211, 0.3165



11.6976, 0.4839, 0.2439



1.1048, 0.4590, 0.2302



# Previews

## White Background



This preview shows how the Yxy color 63.4370, 0.2953, 0.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

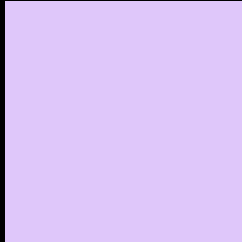
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4370, 0.2953, 0.2750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

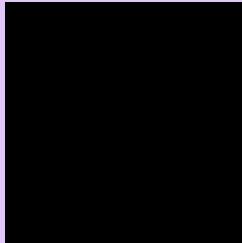
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4370, 0.2953, 0.2750**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4370, 0.2953, 0.2750.

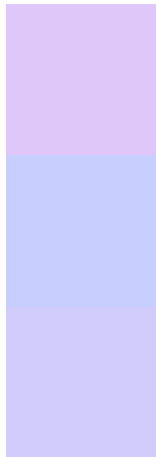


This preview shows how white text looks on a background with the Yxy color 63.4370, 0.2953, 0.2750.

# 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

63.4370, 0.2953, 0.2750

### Protanopia

63.8514, 0.2755, 0.2763

### Deuteranopia

63.5806, 0.2862, 0.2800



## Tritanopia

63.2585, 0.3120, 0.3112

# Trichromacy



## Original Color

63.4370, 0.2953, 0.2750

## Protanomaly

63.5430, 0.2824, 0.2758

## Deuteranomaly

63.3768, 0.2896, 0.2783

## Tritanomaly

63.2262, 0.3059, 0.2973

# Monochromacy



## Original Color

63.4370, 0.2953, 0.2750

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.7156, 0.3063, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4370, 0.2953, 0.2750 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(223, 199, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 199, 250)  
}
```

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(223, 199, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 199, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4370, 0.2953, 0.2750 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(223, 199, 250) }
```

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

```
.border{ border-color:rgb(223, 199, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 199, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 199, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 199, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 199,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4370, 0.2953, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 199, 250) }
```

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

```
.background{ background-color: rgb(223,  
199, 250) }
```

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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