

# Converting Colors

$Y_{xy}(50.6940, 0.2970, 0.2649)$

Have a look what the booklet for  
Yxy(50.6940, 0.2970, 0.2649)  
contains.

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# Color

**Yxy(50.6355, 0.2969, 0.2647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2B0E9
RGB	210, 176, 233
RGB Percent	82%, 69%, 91%
CMY	0.1767, 0.3097, 0.0863
CMYK	0.10, 0.24, 0.00, 0.09
HSL	276°, 56%, 80%
HSV	276°, 24%, 91%
XYZ	56.7952, 50.6355, 83.8633
YIQ	192.6640, 1.9670, 24.9350

# Conversions

## Conversions Part 2

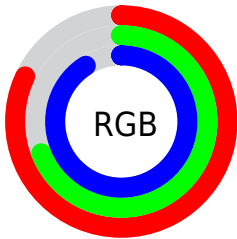
Format	Color
R <sub>YB</sub>	210, 176, 233
Decimal	13807849
CIE <sub>Lab</sub>	76.46, 22.62, -23.92
CIE <sub>LCh</sub>	76, 32.920, 313.395
Yxy	50.6355, 0.2969, 0.2647
Android (android.graphics.Color)	4291997929 (0xFFD2B0E9)
YUV	192.6640, 19.8856, 15.2037
Hunter-Lab	71.1586, 17.9419, -20.0646

# Details

The Yxy color  $50.6355, 0.2969, 0.2647$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $73.5635, 0.3252, 0.3950$ , and the grayscale version is  $52.9990, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1932, 0.3138, 0.3068$ , and  $24.3088, 0.2923, 0.2490$  is the 20% darker color. If you saturate the color by 10%, you get  $40.9260, 0.2886, 0.2362$ , and if you desaturate by 10%, it is  $61.9990, 0.3041, 0.2922$ .

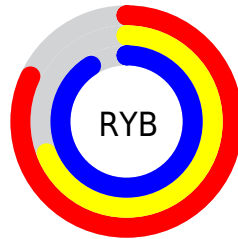
# Distribution



Red (82%)

Green (69%)

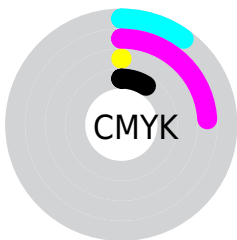
Blue (91%)



Red (82%)

Yellow (69%)

Blue (91%)

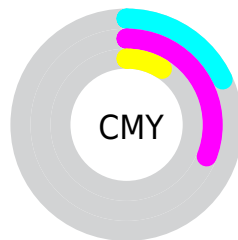


Cyan (10%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (18%)

Magenta (31%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6355, 0.2969, 0.2647 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 50.6355, 0.2969, 0.2647 by changing the saturation by 10% instead.



50.6355, 0.2969,  
0.2647

50.6355, 0.2969,  
0.2647

389.1460, 0.3051,  
0.2949

35.9186, 0.2948,  
0.2577

91.1158, 0.2999,  
0.2752

24.3713, 0.2920,  
0.2491

117.6479, 0.3011,  
0.2793

15.6093, 0.2884,  
0.2382

148.8873, 0.3020,  
0.2828

9.2481, 0.2833,  
0.2239

185.2182, 0.3028,  
0.2858

4.9034, 0.2756,  
0.2044

227.0252, 0.3035,  
0.2885

2.1907, 0.2634,  
0.1768

274.6925, 0.3041,

0.7149, 0.2418,

0.2909

0.1335

328.6046, 0.3047,  
0.2930

0.0000, 0.1235,  
0.0000

0.0000, 0.0000,  
0.0000

50.6355, 0.2969,  
0.2647

50.6355, 0.2969,  
0.2647

40.9260, 0.2886,  
0.2362

61.9990, 0.3041,  
0.2922

32.7825, 0.2792,  
0.2075

75.0858, 0.3103,  
0.3181

26.1188, 0.2690,  
0.1798

89.9688, 0.3155,  
0.3421

20.8371, 0.2582,  
0.1544

97.2976, 0.3209,  
0.3506

■ 16.8276, 0.2472,  
0.1326

■ 98.6627, 0.3256,  
0.3503

■ 13.9633, 0.2363,  
0.1156

■ 12.0889, 0.2261,  
0.1038

■ 11.3421, 0.2208,  
0.0990

# Harmonies

## Analogous

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



50.6355, 0.2585, 0.2570



50.6355, 0.2969, 0.2647



50.6355, 0.3425, 0.2867

# Triad

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



50.6355, 0.2969, 0.2647



50.6355, 0.3949, 0.3874



50.6355, 0.2471, 0.3342

# Complementary

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



50.6355, 0.2969, 0.2647



73.5635, 0.3252, 0.3950

# 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.



50.6355, 0.2801, 0.3774



50.6355, 0.2969, 0.2647



50.6355, 0.3657, 0.4077

# Square

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



50.6355, 0.2969, 0.2647



50.6355, 0.4014, 0.3546



50.6355, 0.3234, 0.4055



50.6355, 0.2315, 0.2932



# Rectangle

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



50.6355, 0.2969, 0.2647



50.6355, 0.3704, 0.3072



50.6355, 0.3234, 0.4055



50.6355, 0.2564, 0.3492

# Sweetspot

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



50.6376, 0.2969, 0.2647



87.7902, 0.3088, 0.3116



56.3166, 0.2734, 0.2893



18.5763, 0.3084, 0.3100



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.



50.6376, 0.2969, 0.2647



56.3051, 0.2931, 0.2514



54.0008, 0.3193, 0.2729



14.9921, 0.3073, 0.3053



6.5105, 0.2222, 0.0998



0.5671, 0.2356, 0.1071



# Inverse Universe

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



52.5137, 0.3435, 0.3034



59.0308, 0.3513, 0.2983



70.8337, 0.3067, 0.3923



15.1551, 0.3229, 0.3195



10.3149, 0.5355, 0.2723



0.8286, 0.4991, 0.2523



# Previews

## White Background



This preview shows how the Yxy color 50.6355, 0.2969, 0.2647 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

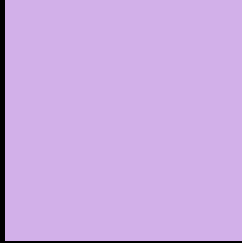
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6355, 0.2969, 0.2647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

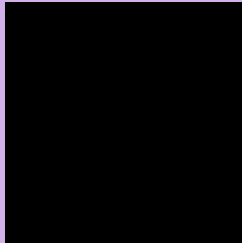
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6355, 0.2969, 0.2647**

## Background



This preview shows how black text looks on a background with the Yxy color 50.6355, 0.2969, 0.2647.



This preview shows how white text looks on a background with the Yxy color 50.6355, 0.2969, 0.2647.

# 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

50.6355, 0.2969, 0.2647

### Protanopia

51.0055, 0.2664, 0.2647

### Deuteranopia

50.9065, 0.2803, 0.2743



## Tritanopia

50.7356, 0.3194, 0.3122

# Trichromacy



## Original Color

50.6355, 0.2969, 0.2647

## Protanomaly

50.7314, 0.2770, 0.2646

## Deuteranomaly

50.8842, 0.2861, 0.2706

## Tritanomaly

50.4175, 0.3110, 0.2936

# Monochromacy



## Original Color

50.6355, 0.2969, 0.2647

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.2368, 0.3066, 0.3038

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6355, 0.2969, 0.2647 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, 176, 233)` looks like.

```
.text, #text, p{  
    color:rgb(210, 176, 233)  
}
```

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, 176, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 176, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6355, 0.2969, 0.2647 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, 176, 233) }
```

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

```
.border{ border-color:rgb(210, 176, 233) }
```

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

Here you see how a box with a 4 pixel rgb(210, 176, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 176, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 176, 233);  
box-shadow:4px 4px 4px 4px rgb(210, 176,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6355, 0.2969, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 176, 233) }
```

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

```
.background{ background-color: rgb(210,  
176, 233) }
```

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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