

# Converting Colors

$Y_{xy}(44.7740, 0.2949, 0.2522)$

Have a look what the booklet for  
Yxy(44.7740, 0.2949, 0.2522)  
contains.

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# Color

**Yxy(44.8867, 0.2949, 0.2519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDA3E6
RGB	205, 163, 230
RGB Percent	80%, 64%, 90%
CMY	0.1962, 0.3607, 0.0980
CMYK	0.11, 0.29, 0.00, 0.10
HSL	278°, 57%, 77%
HSV	278°, 29%, 90%
XYZ	52.5490, 44.8867, 80.7569
YIQ	183.1960, 3.5250, 29.7410

# Conversions

## Conversions Part 2

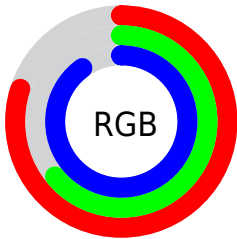
Format	Color
R <sub>Y</sub> B	205, 163, 230
Decimal	13476838
CIE Lab	72.82, 27.54, -27.90
CIE LCh	73, 39.206, 314.623
Yxy	44.8867, 0.2949, 0.2519
Android (android.graphics.Color)	4291666918 (0xFFCDA3E6)
YUV	183.1960, 23.0744, 19.1221
Hunter-Lab	66.9975, 22.7593, -24.5681

# Details

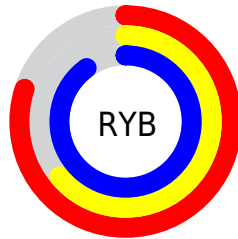
The Yxy color **44.8867, 0.2949, 0.2519** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **69.9375, 0.3258, 0.4094**, and the grayscale version is **47.3363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **20.9089, 0.2893, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **36.2601, 0.2868, 0.2236**, and if you desaturate by 10%, it is **55.0696, 0.3020, 0.2797**.

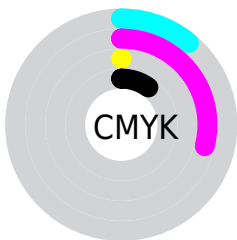
# Distribution



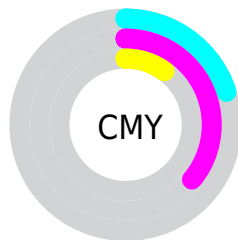
- Red (80%)
- Green (64%)
- Blue (90%)



- Red (80%)
- Yellow (64%)
- Blue (90%)



- Cyan (11%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)




- Cyan (20%)
- Magenta (36%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8867, 0.2949, 0.2519 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 44.8867, 0.2949, 0.2519 by changing the saturation by 10% instead.




 44.8867, 0.2949,  
0.2519

 44.8867, 0.2949,  
0.2519


366.3145, 0.3045,  
0.2883

 31.3682, 0.2923,  
0.2434


 82.5504, 0.2985,  
0.2647

 20.8794, 0.2890,  
0.2330


 107.4643, 0.2998,  
0.2696

 13.0359, 0.2845,  
0.2196


136.9455, 0.3009,  
0.2738

 7.4532, 0.2780,  
0.2022

171.3784, 0.3019,  
0.2775

 3.7471, 0.2681,  
0.1786

211.1474, 0.3027,  
0.2807

 1.5331, 0.2519,  
0.1454

256.6368, 0.3034,

 0.3119, 0.2279,

0.2836

0.0729

308.2310, 0.3040,  
0.2861

0.0000, 0.0000,  
0.0000

44.8867, 0.2949,  
0.2519

44.8867, 0.2949,  
0.2519

36.2601, 0.2868,  
0.2236

55.0696, 0.3020,  
0.2797

29.1024, 0.2779,  
0.1957

66.8785, 0.3080,  
0.3063

23.3263, 0.2682,  
0.1694

80.3860, 0.3131,  
0.3311

18.8323, 0.2580,  
0.1462

95.6454, 0.3174,  
0.3540

15.5076, 0.2478,  
0.1271

97.1805, 0.3228,  
0.3536

■ 13.2186, 0.2379,  
0.1130

■ 98.4932, 0.3274,  
0.3532

■ 11.7570, 0.2286,  
0.1036

■ 11.6449, 0.2278,  
0.1029

# Harmonies

## Analogous

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



44.8867, 0.2478, 0.2415



44.8867, 0.2949, 0.2519



44.8867, 0.3515, 0.2788

# Triad

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



44.8867, 0.2949, 0.2519



44.8867, 0.4128, 0.4008



44.8867, 0.2310, 0.3323

# Complementary

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



44.8867, 0.2949, 0.2519



69.9375, 0.3258, 0.4094

# 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.



44.8867, 0.2699, 0.3880



44.8867, 0.2949, 0.2519



44.8867, 0.3751, 0.4270

# Square

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



44.8867, 0.2949, 0.2519



44.8867, 0.4231, 0.3604



44.8867, 0.3226, 0.4246



44.8867, 0.2136, 0.2820



# Rectangle

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



44.8867, 0.2949, 0.2519



44.8867, 0.3861, 0.3035



44.8867, 0.3226, 0.4246



44.8867, 0.2418, 0.3514

# Sweetspot

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



44.8886, 0.2949, 0.2519



84.6305, 0.3081, 0.3064



49.7663, 0.2651, 0.2776



17.6183, 0.3072, 0.3027



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.



44.8886, 0.2949, 0.2519



49.8742, 0.2901, 0.2347



48.3084, 0.3226, 0.2644



14.3320, 0.3078, 0.3054



6.6646, 0.2292, 0.1037



0.5451, 0.2426, 0.1110



# Inverse Universe

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



46.6578, 0.3532, 0.3006



52.5703, 0.3649, 0.2945



67.3164, 0.3042, 0.4035



14.4567, 0.3234, 0.3202



9.9262, 0.5478, 0.2791

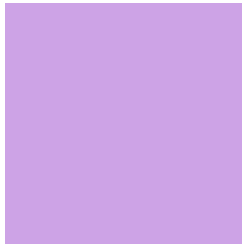


0.7510, 0.5080, 0.2572



# Previews

## White Background



This preview shows how the Yxy color 44.8867, 0.2949, 0.2519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

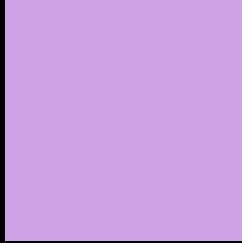
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8867, 0.2949, 0.2519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

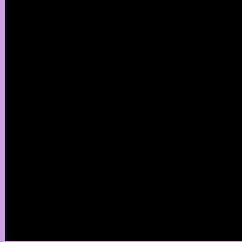
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8867, 0.2949, 0.2519**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8867, 0.2949, 0.2519.



This preview shows how white text looks on a background with the Yxy color 44.8867, 0.2949, 0.2519.

# 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

44.8867, 0.2949, 0.2519

### Protanopia

45.3126, 0.2561, 0.2514

### Deuteranopia

45.3100, 0.2704, 0.2645



## Tritanopia

45.0136, 0.3251, 0.3127

# Trichromacy



## Original Color

44.8867, 0.2949, 0.2519

## Protanomaly

44.9083, 0.2692, 0.2517

## Deuteranomaly

44.8502, 0.2783, 0.2588

## Tritanomaly

45.0105, 0.3145, 0.2900

# Monochromacy



## Original Color

44.8867, 0.2949, 0.2519

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.2972, 0.3064, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8867, 0.2949, 0.2519 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(205, 163, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 230)  
}
```

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(205, 163, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8867, 0.2949, 0.2519 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(205, 163, 230) }
```

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

```
.border{ border-color:rgb(205, 163, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8867, 0.2949, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 230) }
```

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

```
.background{ background-color: rgb(205,  
163, 230) }
```

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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