

# Converting Colors

$Y_{xy}(44.8200, 0.2967, 0.2592)$

Have a look what the booklet for  
Yxy(44.8200, 0.2967, 0.2592)  
contains.

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# Color

**Yxy(44.8486, 0.2970, 0.2599)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAA5E0
RGB	202, 165, 224
RGB Percent	79%, 65%, 88%
CMY	0.2081, 0.3528, 0.1216
CMYK	0.10, 0.26, 0.00, 0.12
HSL	278°, 49%, 76%
HSV	278°, 26%, 88%
XYZ	51.2506, 44.8486, 76.4618
YIQ	182.7890, 3.1130, 26.1930

# Conversions

## Conversions Part 2

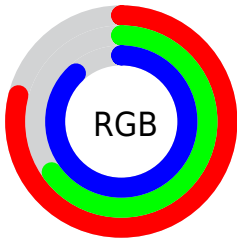
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 165, 224
Decimal	13280736
CIE Lab	72.79, 24.24, -24.68
CIE LCh	73, 34.593, 314.485
Yxy	44.8486, 0.2970, 0.2599
Android (android.graphics.Color)	4291470816 (0xFFCAA5E0)
YUV	182.7890, 20.3170, 16.8480
Hunter-Lab	66.9691, 19.4079, -20.8158

# Details

The Yxy color **44.8486, 0.2970, 0.2599** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.5937, 0.3247, 0.4007**, and the grayscale version is **47.1157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **20.8779, 0.2911, 0.2421** is the 20% darker color. If you saturate the color by 10%, you get **36.3271, 0.2892, 0.2317**, and if you desaturate by 10%, it is **54.8523, 0.3038, 0.2874**.

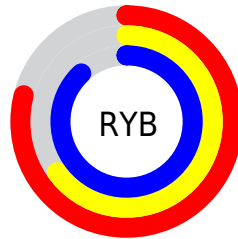
# Distribution



Red (79%)

Green (65%)

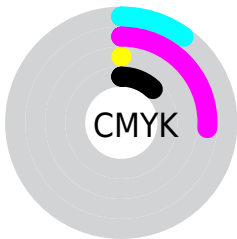
Blue (88%)



Red (79%)

Yellow (65%)

Blue (88%)

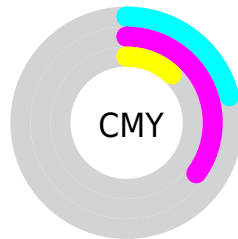


Cyan (10%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (21%)

Magenta (35%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8486, 0.2970, 0.2599 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 44.8486, 0.2970, 0.2599 by changing the saturation by 10% instead.



 44.8486, 0.2970,  
0.2599

 44.8486, 0.2970,  
0.2599


366.1600, 0.3054,  
0.2928

 31.3382, 0.2948,  
0.2522

 82.4932, 0.3002,  
0.2715

 20.8565, 0.2918,  
0.2425


 107.3961, 0.3013,  
0.2760

 13.0192, 0.2878,  
0.2302


136.8654, 0.3023,  
0.2798

 7.4417, 0.2821,  
0.2139

171.2853, 0.3031,  
0.2831

 3.7399, 0.2733,  
0.1916

211.0404, 0.3038,  
0.2860

 1.5291, 0.2586,  
0.1593

256.5149, 0.3044,

 0.3091, 0.2378,

0.2885

0.0829

308.0933, 0.3050,  
0.2908

0.0000, 0.0000,  
0.0000

44.8486, 0.2970,  
0.2599

44.8486, 0.2970,  
0.2599

36.3271, 0.2892,  
0.2317

54.8523, 0.3038,  
0.2874

29.2074, 0.2805,  
0.2036

66.4018, 0.3095,  
0.3134

23.4098, 0.2710,  
0.1768

79.5641, 0.3144,  
0.3377

18.8443, 0.2610,  
0.1526

94.4002, 0.3184,  
0.3600

15.4091, 0.2507,  
0.1322

96.1018, 0.3237,  
0.3599

■ 12.9856, 0.2407,  
0.1166

■ 97.6332, 0.3291,  
0.3593

■ 11.4253, 0.2313,  
0.1060

■ 98.1608, 0.3310,  
0.3592

■ 10.9740, 0.2279,  
0.1029

# Harmonies

## Analogous

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



44.8486, 0.2549, 0.2508



44.8486, 0.2970, 0.2599



44.8486, 0.3469, 0.2841

# Triad

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



44.8486, 0.2970, 0.2599



44.8486, 0.4016, 0.3933



44.8486, 0.2402, 0.3326

# Complementary

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



44.8486, 0.2970, 0.2599



66.5937, 0.3247, 0.4007

# 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.



44.8486, 0.2754, 0.3808



44.8486, 0.2970, 0.2599



44.8486, 0.3688, 0.4155

# Square

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



44.8486, 0.2970, 0.2599



44.8486, 0.4101, 0.3577



44.8486, 0.3223, 0.4126



44.8486, 0.2242, 0.2881



# Rectangle

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



44.8486, 0.2970, 0.2599



44.8486, 0.3773, 0.3064



44.8486, 0.3223, 0.4126



44.8486, 0.2500, 0.3492

# Sweetspot

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



44.8505, 0.2970, 0.2599



86.2493, 0.3086, 0.3090



49.1924, 0.2700, 0.2834



17.9410, 0.3078, 0.3051



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.



44.8505, 0.2970, 0.2599



53.1847, 0.2925, 0.2432



47.7819, 0.3215, 0.2708



13.6661, 0.3078, 0.3055



6.4565, 0.2293, 0.1037



0.4981, 0.2434, 0.1114



# Inverse Universe

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



46.3581, 0.3481, 0.3035



55.6566, 0.3589, 0.2975



64.2789, 0.3050, 0.3952



13.7849, 0.3234, 0.3203



9.6154, 0.5474, 0.2789



0.6834, 0.5054, 0.2558



# Previews

## White Background



This preview shows how the Yxy color 44.8486, 0.2970, 0.2599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

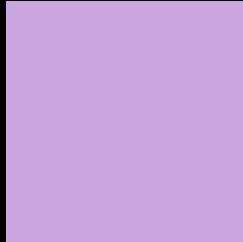
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8486, 0.2970, 0.2599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

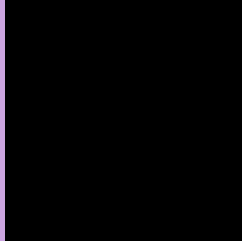
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8486, 0.2970, 0.2599**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8486, 0.2970, 0.2599.



This preview shows how white text looks on a background with the Yxy color 44.8486, 0.2970, 0.2599.

# 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

44.8486, 0.2970, 0.2599

### Protanopia

45.1630, 0.2629, 0.2604

### Deuteranopia

44.9325, 0.2765, 0.2703



## Tritanopia

44.7860, 0.3225, 0.3114

# Trichromacy



## Original Color

44.8486, 0.2970, 0.2599

## Protanomaly

45.0093, 0.2746, 0.2605

## Deuteranomaly

44.6439, 0.2833, 0.2654

## Tritanomaly

44.5518, 0.3127, 0.2909

# Monochromacy



## Original Color

44.8486, 0.2970, 0.2599

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.0750, 0.3071, 0.3014

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8486, 0.2970, 0.2599 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(202, 165, 224)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 224)  
}
```

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(202, 165, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8486, 0.2970, 0.2599 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(202, 165, 224) }
```

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

```
.border{ border-color:rgb(202, 165, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 224);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8486, 0.2970, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 224) }
```

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

```
.background{ background-color: rgb(202,  
165, 224) }
```

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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