

# Converting Colors

$Y_{xy}(42.1730, 0.2990, 0.2663)$

Have a look what the booklet for  
Yxy(42.1730, 0.2990, 0.2663)  
contains.

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# Color

**Yxy(42.2469, 0.2997, 0.2669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3A2D5
RGB	195, 162, 213
RGB Percent	76%, 64%, 84%
CMY	0.2352, 0.3647, 0.1647
CMYK	0.08, 0.24, 0.00, 0.16
HSL	279°, 38%, 74%
HSV	279°, 24%, 84%
XYZ	47.4387, 42.2469, 68.6017
YIQ	177.6810, 3.2970, 22.8570

# Conversions

## Conversions Part 2

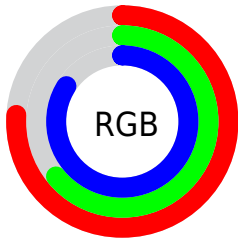
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 162, 213
Decimal	12821205
CIELab	71.04, 21.44, -21.39
CIELCh	71, 30.282, 315.069
Yxy	42.2469, 0.2997, 0.2669
Android (android.graphics.Color)	4291011285 (0xFFC3A2D5)
YUV	177.6810, 17.4123, 15.1888
Hunter-Lab	64.9976, 16.5330, -17.0793

# Details

The Yxy color **42.2469, 0.2997, 0.2669** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.8959, 0.3229, 0.3936**, and the grayscale version is **44.2503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5412, 0.3124, 0.2918**, and **19.2832, 0.2957, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **34.3942, 0.2927, 0.2391**, and if you desaturate by 10%, it is **51.4244, 0.3058, 0.2939**.

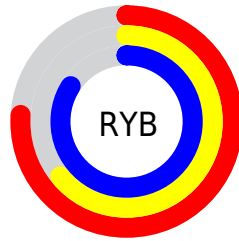
# Distribution



Red (76%)

Green (64%)

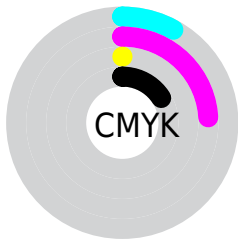
Blue (84%)



Red (76%)

Yellow (64%)

Blue (84%)

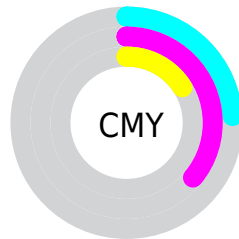


Cyan (8%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (36%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2469, 0.2997, 0.2669 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 42.2469, 0.2997, 0.2669 by changing the saturation by 10% instead.





 42.2469, 0.2997,  
0.2669


 42.2469, 0.2997,  
0.2669


355.5054, 0.3068,  
0.2970

 29.2947, 0.2978,  
0.2597


 78.5732, 0.3024,  
0.2776

 19.3038, 0.2953,  
0.2506


 102.7160, 0.3034,  
0.2817

 11.8900, 0.2918,  
0.2389


131.3578, 0.3042,  
0.2852

 6.6688, 0.2867,  
0.2231

164.8830, 0.3048,  
0.2882

 3.2559, 0.2787,  
0.2009

203.6759, 0.3054,  
0.2908

 1.2667, 0.2648,  
0.1679

248.1211, 0.3059,

 0.1152, 0.2503,

0.2931

0.0456

298.6028, 0.3064,  
0.2952

0.0000, 0.0000,  
0.0000

42.2469, 0.2997,  
0.2669

42.2469, 0.2997,  
0.2669

34.3942, 0.2927,  
0.2391

51.4244, 0.3058,  
0.2939

27.7961, 0.2848,  
0.2112

61.9816, 0.3109,  
0.3194

22.3842, 0.2760,  
0.1844

73.9766, 0.3152,  
0.3432

18.0810, 0.2667,  
0.1599

87.4627, 0.3188,  
0.3649

14.7997, 0.2571,  
0.1389

93.5741, 0.3229,  
0.3720

■ 12.4399, 0.2476,  
0.1224

■ 94.8618, 0.3278,  
0.3714

■ 10.8801, 0.2384,  
0.1109

■ 96.2040, 0.3327,  
0.3707

■ 10.1990, 0.2331,  
0.1058

■ 97.5839, 0.3376,  
0.3701

# Harmonies

## Analogous

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



42.2469, 0.2615, 0.2585



42.2469, 0.2997, 0.2669



42.2469, 0.3443, 0.2892

# Triad

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



42.2469, 0.2997, 0.2669



42.2469, 0.3920, 0.3877



42.2469, 0.2472, 0.3317

# Complementary

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



42.2469, 0.2997, 0.2669



59.8959, 0.3229, 0.3936

# 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.



42.2469, 0.2787, 0.3742



42.2469, 0.2997, 0.2669



42.2469, 0.3625, 0.4065

# Square

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



42.2469, 0.2997, 0.2669



42.2469, 0.3997, 0.3561



42.2469, 0.3208, 0.4027



42.2469, 0.2329, 0.2922



# Rectangle

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



42.2469, 0.2997, 0.2669



42.2469, 0.3711, 0.3096



42.2469, 0.3208, 0.4027



42.2469, 0.2560, 0.3463

# Sweetspot

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



42.2487, 0.2997, 0.2669



87.9612, 0.3094, 0.3116



45.4103, 0.2741, 0.2870



18.6159, 0.3091, 0.3101



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.



42.2487, 0.2997, 0.2669



56.9344, 0.2961, 0.2521



44.4518, 0.3213, 0.2772



12.4035, 0.3082, 0.3056



6.2892, 0.2344, 0.1065



0.4248, 0.2495, 0.1148



# Inverse Universe

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



43.2804, 0.3450, 0.3073



58.8390, 0.3546, 0.3022



58.1249, 0.3052, 0.3870



12.4924, 0.3236, 0.3208



8.9698, 0.5553, 0.2833



0.5565, 0.5071, 0.2567



# Previews

## White Background



This preview shows how the Yxy color 42.2469, 0.2997, 0.2669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

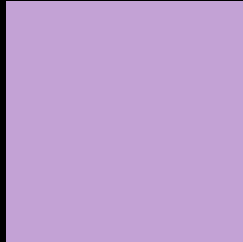
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2469, 0.2997, 0.2669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

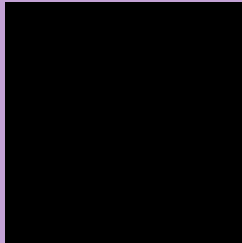
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.2469, 0.2997, 0.2669**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2469, 0.2997, 0.2669.



This preview shows how white text looks on a background with the Yxy color 42.2469, 0.2997, 0.2669.

# 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

42.2469, 0.2997, 0.2669

### Protanopia

42.3537, 0.2685, 0.2671

### Deuteranopia

42.2233, 0.2822, 0.2762



## Tritanopia

42.2886, 0.3217, 0.3122

# Trichromacy



## Original Color

42.2469, 0.2997, 0.2669

## Protanomaly

42.0137, 0.2794, 0.2669

## Deuteranomaly

42.0942, 0.2878, 0.2721

## Tritanomaly

42.3292, 0.3134, 0.2948

# Monochromacy



## Original Color

42.2469, 0.2997, 0.2669

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

43.4570, 0.3077, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2469, 0.2997, 0.2669 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(195, 162, 213)` looks like.

```
.text, #text, p{  
    color:rgb(195, 162, 213)  
}
```

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(195, 162, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 162, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2469, 0.2997, 0.2669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

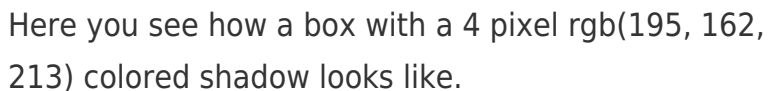
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 162, 213) }
```

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

```
.border{ border-color:rgb(195, 162, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 162, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 162, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 162, 213);  
box-shadow:4px 4px 4px 4px rgb(195, 162,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2469, 0.2997, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 162, 213) }
```

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

```
.background{ background-color: rgb(195,  
162, 213) }
```

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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