

# Converting Colors

$Yxy(43.0687, 0.3229, 0.2903)$

Have a look what the booklet for  
Yxy(43.0687, 0.3229, 0.2903)  
contains.

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# Color

**Yxy(42.9719, 0.3228, 0.2899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA3C3
RGB	204, 163, 195
RGB Percent	80%, 64%, 76%
CMY	0.2000, 0.3608, 0.2352
CMYK	0.00, 0.20, 0.04, 0.20
HSL	313°, 29%, 72%
HSV	313°, 20%, 80%
XYZ	47.8487, 42.9719, 57.4095
YIQ	178.9070, 14.1640, 18.6440

# Conversions

## Conversions Part 2

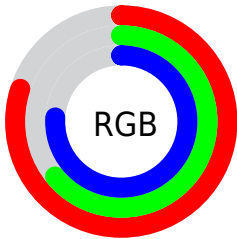
Format	Color
<a href="#">RYB</a>	<a href="#">204, 163, 195</a>
Decimal	<a href="#">13411267</a>
CIELab	<a href="#">71.54, 20.44, -10.65</a>
CIELCh	<a href="#">72, 23.051, 332.483</a>
Yxy	<a href="#">42.9719, 0.3228, 0.2899</a>
Android (android.graphics.Color)	<a href="#">4291601347 (0xFFCCA3C3)</a>
YUV	<a href="#">178.9070, 7.9338, 22.0066</a>
Hunter-Lab	<a href="#">65.5530, 15.5737, -6.0375</a>

# Details

The Yxy color  $42.9719, 0.3228, 0.2899$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $53.9473, 0.3040, 0.3715$ , and the grayscale version is  $44.9795, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.4311, 0.3164, 0.2958$ , and  $19.6815, 0.3253, 0.2797$  is the 20% darker color. If you saturate the color by 10%, you get  $36.1051, 0.3290, 0.2698$ , and if you desaturate by 10%, it is  $51.0169, 0.3174, 0.3097$ .

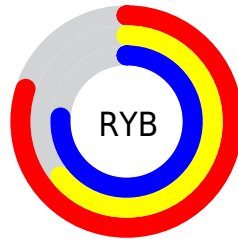
# Distribution



Red (80%)

Green (64%)

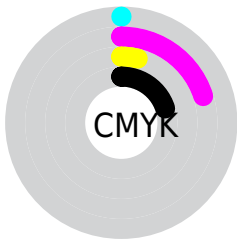
Blue (76%)



Red (80%)

Yellow (64%)

Blue (76%)

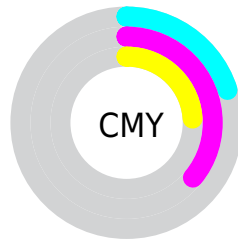


Cyan (0%)

Magenta (20%)

Yellow (4%)

Black (20%)



Cyan (20%)

Magenta (36%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9719, 0.3228, 0.2899 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 42.9719, 0.3228, 0.2899 by changing the saturation by 10% instead.




 42.9719, 0.3228,  
0.2899


 42.9719, 0.3228,  
0.2899


358.4962, 0.3180,  
0.3091

 29.8631, 0.3239,  
0.2852


 79.6685, 0.3211,  
0.2968

 19.7347, 0.3254,  
0.2793


 104.0250, 0.3204,  
0.2994

 12.2023, 0.3272,  
0.2714


132.8995, 0.3199,  
0.3016

 6.8816, 0.3297,  
0.2607

166.6764, 0.3194,  
0.3035

 3.3882, 0.3331,  
0.2452

205.7402, 0.3190,  
0.3052

 1.3376, 0.3380,  
0.2208

250.4751, 0.3186,

 0.1700, 0.3753,

0.3067

0.0966

301.2657, 0.3183,  
0.3080

0.0000, 0.0000,  
0.0000

42.9719, 0.3228,  
0.2899

42.9719, 0.3228,  
0.2899

36.1051, 0.3290,  
0.2698

51.0169, 0.3174,  
0.3097

30.3549, 0.3359,  
0.2502

60.2868, 0.3128,  
0.3288

25.6627, 0.3436,  
0.2318

70.8323, 0.3088,  
0.3469

21.9620, 0.3519,  
0.2157

82.7000, 0.3054,  
0.3638

19.1792, 0.3605,  
0.2029

89.3847, 0.3027,  
0.3695

■ 17.2300, 0.3692,  
0.1942

■ 89.6210, 0.3003,  
0.3646

■ 16.0147, 0.3778,  
0.1901

■ 89.8636, 0.2979,  
0.3596

■ 15.3500, 0.3860,  
0.1900

■ 90.1126, 0.2954,  
0.3547

■ 90.3680, 0.2930,  
0.3499

# Harmonies

## Analogous

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



42.9719, 0.2898, 0.2768



42.9719, 0.3228, 0.2899



42.9719, 0.3545, 0.3122

# Triad

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



42.9719, 0.3228, 0.2899



42.9719, 0.3619, 0.3838



42.9719, 0.2542, 0.3134

# Complementary

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



42.9719, 0.3228, 0.2899



53.9473, 0.3040, 0.3715

# 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.



42.9719, 0.2716, 0.3451



42.9719, 0.3228, 0.2899



42.9719, 0.3333, 0.3876

# Square

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



42.9719, 0.3228, 0.2899



42.9719, 0.3775, 0.3654



42.9719, 0.3003, 0.3734



42.9719, 0.2516, 0.2885



# Rectangle

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



42.9719, 0.3228, 0.2899



42.9719, 0.3699, 0.3301



42.9719, 0.3003, 0.3734



42.9719, 0.2584, 0.3237

# Sweetspot

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



42.9738, 0.3228, 0.2899



90.4097, 0.3155, 0.3175



39.3139, 0.2869, 0.2752



19.1379, 0.3158, 0.3162



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.



42.9738, 0.3228, 0.2899



66.1409, 0.3253, 0.2814



42.1133, 0.3413, 0.3145



11.3600, 0.3171, 0.3111



9.6766, 0.3849, 0.1894



0.5099, 0.3700, 0.1812



# Inverse Universe

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



42.9738, 0.3228, 0.2899



66.1409, 0.3253, 0.2814



54.7919, 0.2904, 0.3440



11.3600, 0.3171, 0.3111



9.6766, 0.3849, 0.1894

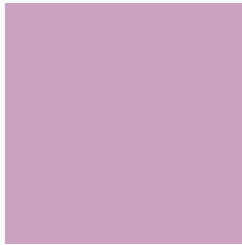


0.5099, 0.3700, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 42.9719, 0.3228, 0.2899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

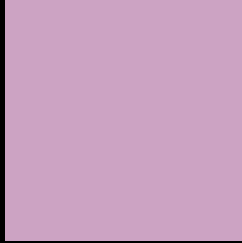
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.9719, 0.3228, 0.2899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

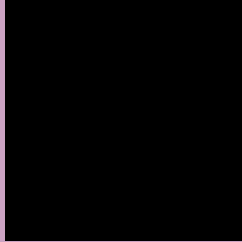
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.9719, 0.3228, 0.2899**

## Background



This preview shows how black text looks on a background with the Yxy color 42.9719, 0.3228, 0.2899.



This preview shows how white text looks on a background with the Yxy color 42.9719, 0.3228, 0.2899.

# 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

42.9719, 0.3228, 0.2899

### Protanopia

43.1943, 0.2883, 0.2923

### Deuteranopia

43.2112, 0.3053, 0.2994



## Tritanopia

43.0837, 0.3349, 0.3128

# Trichromacy



## Original Color

42.9719, 0.3228, 0.2899

## Protanomaly

42.9403, 0.3005, 0.2918

## Deuteranomaly

42.9767, 0.3116, 0.2961

## Tritanomaly

43.1096, 0.3306, 0.3042

# Monochromacy



## Original Color

42.9719, 0.3228, 0.2899

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.0813, 0.3161, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.9719, 0.3228, 0.2899 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(204, 163, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 195)  
}
```

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(204, 163, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 42.9719, 0.3228, 0.2899 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(204, 163, 195) }
```

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

```
.border{ border-color:rgb(204, 163, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.9719, 0.3228, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 195) }
```

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

```
.background{ background-color: rgb(204,  
163, 195) }
```

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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