

# Converting Colors

$Y_{xy}(45.0205, 0.3212, 0.2870)$

Have a look what the booklet for  
Yxy(45.0205, 0.3212, 0.2870)  
contains.

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# Color

**Yxy(45.0448, 0.3219, 0.2873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A6C9
RGB	209, 166, 201
RGB Percent	82%, 65%, 79%
CMY	0.1804, 0.3490, 0.2119
CMYK	0.00, 0.21, 0.04, 0.18
HSL	311°, 32%, 74%
HSV	311°, 21%, 82%
XYZ	50.4696, 45.0448, 61.2722
YIQ	182.8470, 14.3930, 20.0010

# Conversions

## Conversions Part 2

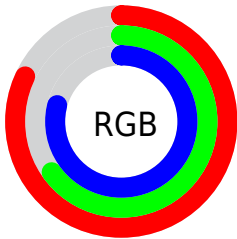
Format	Color
R <sub>Y</sub> B	209, 166, 201
Decimal	13739721
CIE Lab	72.92, 21.61, -11.81
CIE LCh	73, 24.621, 331.345
Yxy	45.0448, 0.3219, 0.2873
Android (android.graphics.Color)	4291929801 (0xFFD1A6C9)
YUV	182.8470, 8.9494, 22.9362
Hunter-Lab	67.1154, 16.7769, -7.1473

# Details

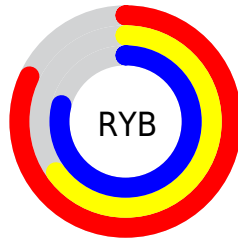
The Yxy color  $45.0448, 0.3219, 0.2873$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $56.7659, 0.3047, 0.3746$ , and the grayscale version is  $47.2103, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.1929, 0.3143, 0.2960$ , and  $21.0112, 0.3239, 0.2765$  is the 20% darker color. If you saturate the color by 10%, you get  $37.8738, 0.3274, 0.2665$ , and if you desaturate by 10%, it is  $53.4592, 0.3171, 0.3079$ .

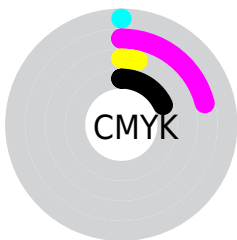
# Distribution



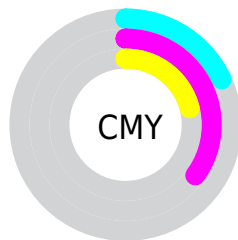
- Red (82%)
- Green (65%)
- Blue (79%)



- Red (82%)
- Yellow (65%)
- Blue (79%)



- Cyan (0%)
- Magenta (21%)
- Yellow (4%)
- Black (18%)




- Cyan (18%)
- Magenta (35%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0448, 0.3219, 0.2873 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 45.0448, 0.3219, 0.2873 by changing the saturation by 10% instead.





 45.0448, 0.3219,  
0.2873


 45.0448, 0.3219,  
0.2873


366.9550, 0.3176,  
0.3076

 31.4927, 0.3229,  
0.2824


 82.7876, 0.3204,  
0.2945

 20.9743, 0.3241,  
0.2762


 107.7472, 0.3198,  
0.2973

 13.1052, 0.3257,  
0.2682


137.2780, 0.3193,  
0.2996

 7.5011, 0.3277,  
0.2573

171.7645, 0.3189,  
0.3017

 3.7774, 0.3304,  
0.2417

211.5910, 0.3185,  
0.3034

 1.5498, 0.3341,  
0.2176

257.1420, 0.3182,

 0.3234, 0.3550,

0.3050

0.1375

308.8019, 0.3179,  
0.3063

0.0000, 0.0000,  
0.0000

45.0448, 0.3219,  
0.2873

45.0448, 0.3219,  
0.2873

37.8738, 0.3274,  
0.2665

53.4592, 0.3171,  
0.3079

31.8806, 0.3334,  
0.2462

63.1666, 0.3129,  
0.3279

27.0027, 0.3401,  
0.2274

74.2212, 0.3094,  
0.3468

23.1694, 0.3471,  
0.2109

86.6722, 0.3063,  
0.3645

20.3019, 0.3544,  
0.1978

90.2684, 0.3040,  
0.3657

■ 18.3102, 0.3617,  
0.1889

■ 90.4783, 0.3019,  
0.3614

■ 17.0871, 0.3688,  
0.1845

■ 90.6931, 0.2997,  
0.3572

■ 16.4556, 0.3752,  
0.1840

■ 90.9128, 0.2976,  
0.3530

■ 91.1375, 0.2955,  
0.3488

# Harmonies

## Analogous

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



45.0448, 0.2874, 0.2740



45.0448, 0.3219, 0.2873



45.0448, 0.3555, 0.3104

# Triad

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



45.0448, 0.3219, 0.2873



45.0448, 0.3653, 0.3861



45.0448, 0.2517, 0.3137

# Complementary

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



45.0448, 0.3219, 0.2873



56.7659, 0.3047, 0.3746

# 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.



45.0448, 0.2704, 0.3472



45.0448, 0.3219, 0.2873



45.0448, 0.3356, 0.3910

# Square

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



45.0448, 0.3219, 0.2873



45.0448, 0.3811, 0.3661



45.0448, 0.3008, 0.3767



45.0448, 0.2485, 0.2872



# Rectangle

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



45.0448, 0.3219, 0.2873



45.0448, 0.3722, 0.3289



45.0448, 0.3008, 0.3767



45.0448, 0.2564, 0.3246

# Sweetspot

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



45.0468, 0.3219, 0.2873



90.4409, 0.3151, 0.3170



40.8657, 0.2850, 0.2735



19.1453, 0.3154, 0.3157



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.



45.0468, 0.3219, 0.2873



65.1073, 0.3244, 0.2775



44.1112, 0.3409, 0.3124



11.9696, 0.3166, 0.3103



10.1599, 0.3742, 0.1835



0.5781, 0.3627, 0.1772



# Inverse Universe

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



45.0468, 0.3219, 0.2873



65.1073, 0.3244, 0.2775



57.6659, 0.2908, 0.3463



11.9696, 0.3166, 0.3103



10.1599, 0.3742, 0.1835



0.5781, 0.3627, 0.1772



# Previews

## White Background



This preview shows how the Yxy color 45.0448, 0.3219, 0.2873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

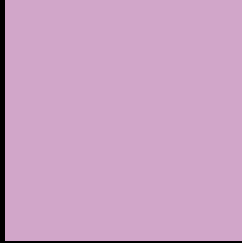
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0448, 0.3219, 0.2873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

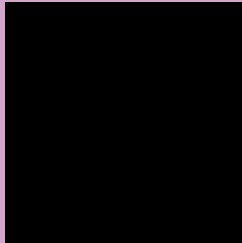
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.0448, 0.3219, 0.2873**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0448, 0.3219, 0.2873.



This preview shows how white text looks on a background with the Yxy color 45.0448, 0.3219, 0.2873.

# 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

45.0448, 0.3219, 0.2873

### Protanopia

45.3285, 0.2850, 0.2893

### Deuteranopia

44.9604, 0.3038, 0.2974



## Tritanopia

44.8751, 0.3355, 0.3131

# Trichromacy



## Original Color

45.0448, 0.3219, 0.2873

## Protanomaly

45.1674, 0.2976, 0.2889

## Deuteranomaly

44.8981, 0.3100, 0.2931

## Tritanomaly

44.9448, 0.3303, 0.3035

# Monochromacy



## Original Color

45.0448, 0.3219, 0.2873

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.3685, 0.3152, 0.3126

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0448, 0.3219, 0.2873 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(209, 166, 201)` looks like.

```
.text, #text, p{  
    color:rgb(209, 166, 201)  
}
```

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(209, 166, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 166, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0448, 0.3219, 0.2873 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(209, 166, 201) }
```

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

```
.border{ border-color:rgb(209, 166, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 166, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 166, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 166, 201);  
box-shadow:4px 4px 4px 4px rgb(209, 166,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0448, 0.3219, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 166, 201) }
```

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

```
.background{ background-color: rgb(209,  
166, 201) }
```

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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