

# Converting Colors

$Y_{xy}(48.5559, 0.2978, 0.2671)$

Have a look what the booklet for  
Yxy(48.5559, 0.2978, 0.2671)  
contains.

<b>Yxy(48.4123, 0.2973, 0.2666)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.4123, 0.2973, 0.2666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDADE3
RGB	205, 173, 227
RGB Percent	80%, 68%, 89%
CMY	0.1961, 0.3216, 0.1097
CMYK	0.10, 0.24, 0.00, 0.11
HSL	276°, 49%, 78%
HSV	276°, 24%, 89%
XYZ	53.9872, 48.4123, 79.1921
YIQ	188.7240, 1.7380, 23.5780

# Conversions

## Conversions Part 2

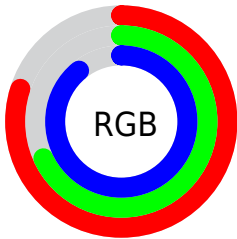
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 173, 227
Decimal	13479395
CIE Lab	75.08, 21.48, -22.82
CIE LCh	75, 31.338, 313.266
Yxy	48.4123, 0.2973, 0.2666
Android (android.graphics.Color)	4291669475 (0xFFCDADE3)
YUV	188.7240, 18.8701, 14.2741
Hunter-Lab	69.5789, 16.7372, -18.7763

# Details

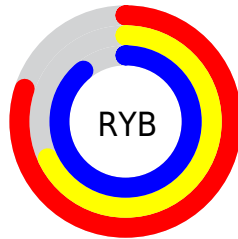
The Yxy color **48.4123, 0.2973, 0.2666** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **69.5780, 0.3250, 0.3930**, and the grayscale version is **50.6139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **22.8572, 0.2927, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **39.1566, 0.2890, 0.2381**, and if you desaturate by 10%, it is **59.2293, 0.3045, 0.2940**.

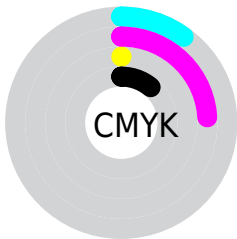
# Distribution



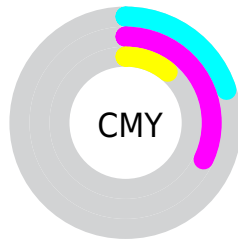
- Red (80%)
- Green (68%)
- Blue (89%)



- Red (80%)
- Yellow (68%)
- Blue (89%)



- Cyan (10%)
- Magenta (24%)
- Yellow (0%)
- Black (11%)




- Cyan (20%)
- Magenta (32%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4123, 0.2973, 0.2666 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 48.4123, 0.2973, 0.2666 by changing the saturation by 10% instead.





 48.4123, 0.2973,  
0.2666

 48.4123, 0.2973,  
0.2666


380.4241, 0.3054,  
0.2962

 34.1535, 0.2952,  
0.2597


 87.8180, 0.3003,  
0.2770

 23.0116, 0.2925,  
0.2511


113.7336, 0.3014,  
0.2810

 14.6020, 0.2888,  
0.2402


144.3037, 0.3023,  
0.2844

 8.5406, 0.2837,  
0.2257

179.9126, 0.3031,  
0.2874

 4.4427, 0.2759,  
0.2059

220.9447, 0.3038,  
0.2900

 1.9242, 0.2632,  
0.1773

267.7843, 0.3044,

 0.5629, 0.2418,

0.2923

0.1262

320.8160, 0.3049,  
0.2943

0.0000, 0.0070,  
0.0000

0.0000, 0.0000,  
0.0000

48.4123, 0.2973,  
0.2666

48.4123, 0.2973,  
0.2666

39.1566, 0.2890,  
0.2381

59.2293, 0.3045,  
0.2940

31.3801, 0.2797,  
0.2094

71.6723, 0.3106,  
0.3197

25.0020, 0.2694,  
0.1816

85.8096, 0.3158,  
0.3435

19.9315, 0.2586,  
0.1560

95.9504, 0.3208,  
0.3569

■ 16.0663, 0.2475,  
0.1339

■ 97.6308, 0.3267,  
0.3564

■ 13.2886, 0.2366,  
0.1164

■ 98.3276, 0.3291,  
0.3562

■ 11.4552, 0.2263,  
0.1042

■ 10.6521, 0.2203,  
0.0987

# Harmonies

## Analogous

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



48.4123, 0.2601, 0.2592



48.4123, 0.2973, 0.2666



48.4123, 0.3414, 0.2879

# Triad

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



48.4123, 0.2973, 0.2666



48.4123, 0.3923, 0.3855



48.4123, 0.2493, 0.3343

# Complementary

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



48.4123, 0.2973, 0.2666



69.5780, 0.3250, 0.3930

# 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.



48.4123, 0.2814, 0.3759



48.4123, 0.2973, 0.2666



48.4123, 0.3642, 0.4050

# Square

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



48.4123, 0.2973, 0.2666



48.4123, 0.3984, 0.3538



48.4123, 0.3234, 0.4028



48.4123, 0.2340, 0.2947



# Rectangle

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



48.4123, 0.2973, 0.2666



48.4123, 0.3683, 0.3078



48.4123, 0.3234, 0.4028



48.4123, 0.2584, 0.3488

# Sweetspot

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



48.4143, 0.2973, 0.2666



87.7806, 0.3088, 0.3116



53.6930, 0.2745, 0.2905



18.5741, 0.3084, 0.3100



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.



48.4143, 0.2973, 0.2666



56.2700, 0.2930, 0.2514



51.5260, 0.3191, 0.2745



14.3068, 0.3073, 0.3054



6.2804, 0.2217, 0.0995



0.5181, 0.2358, 0.1073



# Inverse Universe

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



50.1656, 0.3423, 0.3040



59.0417, 0.3511, 0.2980



67.0329, 0.3068, 0.3903



14.4650, 0.3229, 0.3195



10.0026, 0.5340, 0.2715



0.7572, 0.4958, 0.2505



# Previews

## White Background



This preview shows how the Yxy color 48.4123, 0.2973, 0.2666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

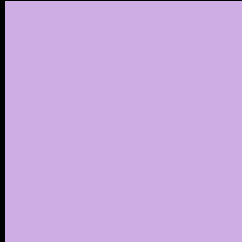
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4123, 0.2973, 0.2666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

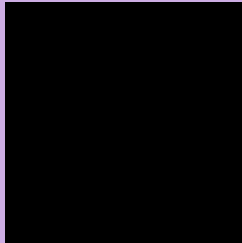
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4123, 0.2973, 0.2666**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4123, 0.2973, 0.2666.



This preview shows how white text looks on a background with the Yxy color 48.4123, 0.2973, 0.2666.

# 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

48.4123, 0.2973, 0.2666

### Protanopia

48.5781, 0.2681, 0.2669

### Deuteranopia

48.5513, 0.2818, 0.2756



## Tritanopia

48.3698, 0.3195, 0.3118

# Trichromacy



**Original Color**

48.4123, 0.2973, 0.2666

**Protanomaly**

48.2001, 0.2783, 0.2666

**Deuteranomaly**

48.4081, 0.2870, 0.2717

**Tritanomaly**

48.4086, 0.3117, 0.2953

# Monochromacy



**Original Color**

48.4123, 0.2973, 0.2666

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

49.7809, 0.3072, 0.3045

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4123, 0.2973, 0.2666 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, 173, 227)` looks like.

```
.text, #text, p{  
    color:rgb(205, 173, 227)  
}
```

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, 173, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 173, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4123, 0.2973, 0.2666 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, 173, 227) }
```

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

```
.border{ border-color:rgb(205, 173, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 173, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 173, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 173, 227);  
box-shadow:4px 4px 4px 4px rgb(205, 173,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4123, 0.2973, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 173, 227) }
```

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

```
.background{ background-color: rgb(205,  
173, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor