

# Converting Colors

$Yxy(47.7321, 0.3072, 0.2885)$

Have a look what the booklet for  
Yxy(47.7321, 0.3072, 0.2885)  
contains.

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# Color

**Yxy(47.5428, 0.3070, 0.2881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8AFD1
RGB	200, 175, 209
RGB Percent	78%, 69%, 82%
CMY	0.2156, 0.3137, 0.1805
CMYK	0.04, 0.16, 0.00, 0.18
HSL	284°, 27%, 75%
HSV	284°, 16%, 82%
XYZ	50.6617, 47.5428, 66.8174
YIQ	186.3510, 3.9860, 15.8740

# Conversions

## Conversions Part 2

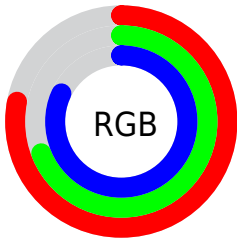
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 175, 209
Decimal	13152209
CIE <sub>Lab</sub>	74.54, 15.16, -13.86
CIE <sub>LCh</sub>	75, 20.542, 317.563
Yxy	47.5428, 0.3070, 0.2881
Android (android.graphics.Color)	4291342289 (0xFFC8AFD1)
YUV	186.3510, 11.1660, 11.9702
Hunter-Lab	68.9513, 10.4875, -9.1892

# Details

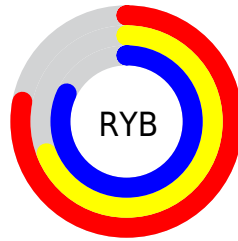
The Yxy color  $47.5428, 0.3070, 0.2881$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $58.8730, 0.3174, 0.3716$ , and the grayscale version is  $49.2467, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6318, 0.3138, 0.3058$ , and  $22.3966, 0.3047, 0.2760$  is the 20% darker color. If you saturate the color by 10%, you get  $39.2850, 0.3026, 0.2615$ , and if you desaturate by 10%, it is  $57.0909, 0.3107, 0.3137$ .

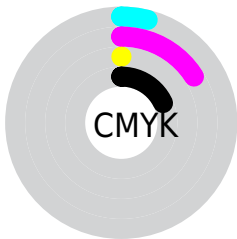
# Distribution



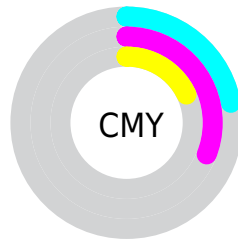
- Red (78%)
- Green (69%)
- Blue (82%)



- Red (78%)
- Yellow (69%)
- Blue (82%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)




- Cyan (22%)
- Magenta (31%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5428, 0.3070, 0.2881 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 47.5428, 0.3070, 0.2881 by changing the saturation by 10% instead.





 47.5428, 0.3070,  
0.2881

 47.5428, 0.3070,  
0.2881


376.9770, 0.3101,  
0.3079

 33.4650, 0.3062,  
0.2834


 86.5233, 0.3082,  
0.2951

 22.4829, 0.3051,  
0.2774


112.1947, 0.3086,  
0.2978

 14.2121, 0.3036,  
0.2696


142.4995, 0.3089,  
0.3001

 8.2684, 0.3014,  
0.2592

177.8220, 0.3092,  
0.3021

 4.2671, 0.2980,  
0.2443

218.5466, 0.3095,  
0.3038

 1.8241, 0.2921,  
0.2216

265.0577, 0.3097,

 0.5021, 0.2846,

0.3053

0.1687

317.7397, 0.3099,  
0.3067

■ 0.0000, 0.0000,  
0.0000

■ 47.5428, 0.3070,  
0.2881

■ 47.5428, 0.3070,  
0.2881

■ 39.2850, 0.3026,  
0.2615

■ 57.0909, 0.3107,  
0.3137

■ 32.2533, 0.2974,  
0.2345

■ 67.9775, 0.3138,  
0.3378

■ 26.3874, 0.2916,  
0.2081

■ 80.2557, 0.3163,  
0.3602

■ 21.6190, 0.2852,  
0.1833

■ 91.6612, 0.3186,  
0.3772

■ 17.8730, 0.2783,  
0.1612

■ 92.5454, 0.3221,  
0.3767

■ 15.0644, 0.2712,  
0.1430

■ 93.4582, 0.3256,  
0.3762

■ 13.0941, 0.2640,  
0.1293

■ 94.4000, 0.3292,  
0.3757

■ 11.8373, 0.2571,  
0.1203

■ 95.3710, 0.3328,  
0.3751

■ 11.4643, 0.2545,  
0.1176

■ 96.3714, 0.3364,  
0.3746

# Harmonies

## Analogous

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



47.5428, 0.2808, 0.2818



47.5428, 0.3070, 0.2881



47.5428, 0.3359, 0.3041

# Triad

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



47.5428, 0.3070, 0.2881



47.5428, 0.3636, 0.3698



47.5428, 0.2681, 0.3291

# Complementary

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



47.5428, 0.3070, 0.2881



58.8730, 0.3174, 0.3716

# 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.



47.5428, 0.2887, 0.3559



47.5428, 0.3070, 0.2881



47.5428, 0.3439, 0.3796

# Square

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



47.5428, 0.3070, 0.2881



47.5428, 0.3694, 0.3500



47.5428, 0.3164, 0.3749



47.5428, 0.2591, 0.3039



# Rectangle

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



47.5428, 0.3070, 0.2881



47.5428, 0.3526, 0.3184



47.5428, 0.3164, 0.3749



47.5428, 0.2738, 0.3383

# Sweetspot

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



47.5448, 0.3070, 0.2881



91.5015, 0.3111, 0.3167



48.0225, 0.2869, 0.2974



19.3388, 0.3109, 0.3149



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.



47.5448, 0.3070, 0.2881



69.2053, 0.3053, 0.2776



48.4315, 0.3211, 0.2981



11.8458, 0.3096, 0.3058



7.1197, 0.2555, 0.1181



0.4355, 0.2680, 0.1250



# Inverse Universe

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



47.6707, 0.3355, 0.3182



69.4784, 0.3424, 0.3154



58.1229, 0.3053, 0.3621



11.8587, 0.3250, 0.3229



8.5423, 0.5870, 0.3007

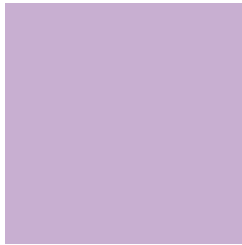


0.4909, 0.5336, 0.2713



# Previews

## White Background



This preview shows how the Yxy color 47.5428, 0.3070, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

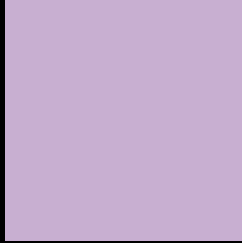
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5428, 0.3070, 0.2881 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 47.5428, 0.3070, 0.2881**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5428, 0.3070, 0.2881.



This preview shows how white text looks on a background with the Yxy color 47.5428, 0.3070, 0.2881.

# 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

47.5428, 0.3070, 0.2881

### Protanopia

47.7759, 0.2856, 0.2889

### Deuteranopia

47.7414, 0.2994, 0.2932



## Tritanopia

47.5169, 0.3178, 0.3117

# Trichromacy



## Original Color

47.5428, 0.3070, 0.2881

## Protanomaly

47.4328, 0.2932, 0.2882

## Deuteranomaly

47.8642, 0.3027, 0.2924

## Tritanomaly

47.5273, 0.3139, 0.3032

# Monochromacy



## Original Color

47.5428, 0.3070, 0.2881

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.4273, 0.3109, 0.3140

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5428, 0.3070, 0.2881 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(200, 175, 209)` looks like.

```
.text, #text, p{  
    color:rgb(200, 175, 209)  
}
```

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(200, 175, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 175, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5428, 0.3070, 0.2881 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(200, 175, 209) }
```

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

```
.border{ border-color:rgb(200, 175, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 175, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 175, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 175, 209);  
box-shadow:4px 4px 4px 4px rgb(200, 175,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5428, 0.3070, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 175, 209) }
```

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

```
.background{ background-color: rgb(200,  
175, 209) }
```

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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