

# Converting Colors

$Yxy(38.8498, 0.2947, 0.2470)$

Have a look what the booklet for  
Yxy(38.8498, 0.2947, 0.2470)  
contains.

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# Color

**Yxy(38.8498, 0.2947, 0.2470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C397DB
RGB	195, 151, 219
RGB Percent	76%, 59%, 86%
CMY	0.2354, 0.4078, 0.1411
CMYK	0.11, 0.31, 0.00, 0.14
HSL	279°, 49%, 73%
HSV	279°, 31%, 86%
XYZ	46.3524, 38.8498, 72.0845
YIQ	171.9080, 4.3960, 30.4760

# Conversions

## Conversions Part 2

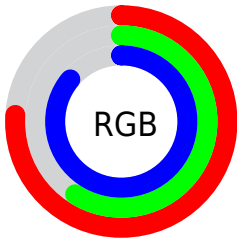
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 151, 219
Decimal	12818395
CIE <sub>Lab</sub>	68.64, 28.73, -28.38
CIE <sub>LCh</sub>	69, 40.377, 315.351
Yxy	38.8498, 0.2947, 0.2470
Android (android.graphics.Color)	4291008475 (0xFFC397DB)
YUV	171.9080, 23.2164, 20.2517
Hunter-Lab	62.3296, 23.6675, -24.9384

# Details

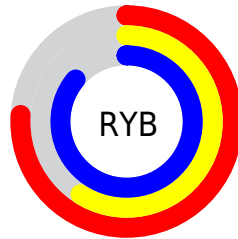
The Yxy color **38.8498, 0.2947, 0.2470** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.0292, 0.3255, 0.4153**, and the grayscale version is **41.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0581, 0.3128, 0.2808**, and **17.3701, 0.2876, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **31.4384, 0.2870, 0.2190**, and if you desaturate by 10%, it is **47.6276, 0.3015, 0.2747**.

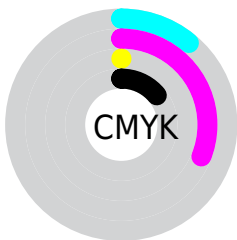
# Distribution



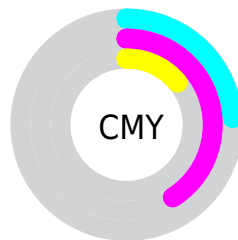
- Red (76%)
- Green (59%)
- Blue (86%)



- Red (76%)
- Yellow (59%)
- Blue (86%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (14%)




- Cyan (24%)
- Magenta (41%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8498, 0.2947, 0.2470 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 38.8498, 0.2947, 0.2470 by changing the saturation by 10% instead.





 38.8498, 0.2947,  
0.2470


 38.8498, 0.2947,  
0.2470


341.2515, 0.3047,  
0.2865

 26.6429, 0.2919,  
0.2376


 73.4088, 0.2985,  
0.2610

 17.3052, 0.2883,  
0.2259


 96.5297, 0.2999,  
0.2664

 10.4523, 0.2831,  
0.2109


124.0574, 0.3011,  
0.2709

 5.6999, 0.2756,  
0.1910

156.3763, 0.3020,  
0.2749

 2.6635, 0.2639,  
0.1638

193.8707, 0.3029,  
0.2784

 0.9587, 0.2436,  
0.1250

236.9251, 0.3036,


 0.0000, 0.2102,


0.2814

0.0000

285.9239, 0.3042,  
0.2841


 0.0000, 0.0000,  
0.0000


 38.8498, 0.2947,  
0.2470

 38.8498, 0.2947,  
0.2470


 31.4384, 0.2870,  
0.2190


 47.6276, 0.3015,  
0.2747


 25.3149, 0.2784,  
0.1917


 57.8346, 0.3073,  
0.3014

 20.4005, 0.2692,  
0.1663


 69.5357, 0.3122,  
0.3265


 16.6054, 0.2596,  
0.1442

 82.7902, 0.3163,  
0.3497


 13.8268, 0.2499,  
0.1263

 94.0773, 0.3202,  
0.3656

 11.9421, 0.2406,  
0.1134

 95.4153, 0.3251,  
0.3651

 10.8252, 0.2327,  
0.1056

 96.8114, 0.3302,  
0.3645

 97.8954, 0.3339,  
0.3641

# Harmonies

## Analogous

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



38.8498, 0.2439, 0.2353



38.8498, 0.2947, 0.2470



38.8498, 0.3559, 0.2760

# Triad

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



38.8498, 0.2947, 0.2470



38.8498, 0.4197, 0.4065



38.8498, 0.2241, 0.3307

# Complementary

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



38.8498, 0.2947, 0.2470



62.0292, 0.3255, 0.4153

# 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.



38.8498, 0.2651, 0.3918



38.8498, 0.2947, 0.2470



38.8498, 0.3782, 0.4351

# Square

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



38.8498, 0.2947, 0.2470



38.8498, 0.4321, 0.3631



38.8498, 0.3214, 0.4325



38.8498, 0.2064, 0.2768



# Rectangle

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



38.8498, 0.2947, 0.2470



38.8498, 0.3932, 0.3024



38.8498, 0.3214, 0.4325



38.8498, 0.2354, 0.3515

# Sweetspot

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



38.8514, 0.2947, 0.2470



84.7139, 0.3084, 0.3065



42.7279, 0.2617, 0.2723



17.6389, 0.3076, 0.3027



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.



38.8514, 0.2947, 0.2470



48.0576, 0.2900, 0.2294



41.8524, 0.3244, 0.2615



13.0324, 0.3082, 0.3056



6.4812, 0.2340, 0.1063



0.4674, 0.2483, 0.1141



# Inverse Universe

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



40.2998, 0.3580, 0.3004



50.5239, 0.3709, 0.2944



59.7938, 0.3029, 0.4075



13.1272, 0.3236, 0.3208



9.2705, 0.5551, 0.2832



0.6166, 0.5097, 0.2582



# Previews

## White Background



This preview shows how the Yxy color 38.8498, 0.2947, 0.2470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

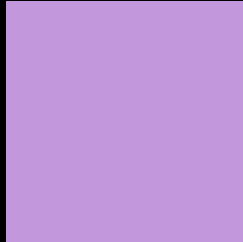
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.8498, 0.2947, 0.2470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

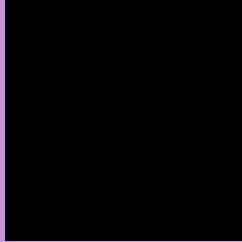
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.8498, 0.2947, 0.2470**

## Background



This preview shows how black text looks on a background with the Yxy color 38.8498, 0.2947, 0.2470.



This preview shows how white text looks on a background with the Yxy color 38.8498, 0.2947, 0.2470.

# 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

38.8498, 0.2947, 0.2470

### Protanopia

39.0130, 0.2517, 0.2447

### Deuteranopia

39.1372, 0.2672, 0.2618



## Tritanopia

38.8501, 0.3279, 0.3118

# Trichromacy



## Original Color

38.8498, 0.2947, 0.2470

## Protanomaly

38.7396, 0.2660, 0.2452

## Deuteranomaly

38.8093, 0.2763, 0.2560

## Tritanomaly

38.9080, 0.3156, 0.2867

# Monochromacy



## Original Color

38.8498, 0.2947, 0.2470

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

39.9283, 0.3061, 0.2960

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8498, 0.2947, 0.2470 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, 151, 219)` looks like.

```
.text, #text, p{  
    color:rgb(195, 151, 219)  
}
```

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, 151, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 151, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8498, 0.2947, 0.2470 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, 151, 219) }
```

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

```
.border{ border-color:rgb(195, 151, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 151, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 151, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 151, 219);  
box-shadow:4px 4px 4px 4px rgb(195, 151,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.8498, 0.2947, 0.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 151, 219) }
```

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

```
.background{ background-color: rgb(195,  
151, 219) }
```

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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