

# Converting Colors

$Y_{xy}(38.4069, 0.2813, 0.2390)$

Have a look what the booklet for  
Yxy(38.4069, 0.2813, 0.2390)  
contains.

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# Color

**Yxy(38.3866, 0.2815, 0.2391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA98E2
RGB	186, 152, 226
RGB Percent	73%, 60%, 89%
CMY	0.2708, 0.4038, 0.1138
CMYK	0.18, 0.33, 0.00, 0.11
HSL	268°, 56%, 74%
HSV	268°, 33%, 89%
XYZ	45.1938, 38.3866, 76.9659
YIQ	170.6020, -3.4900, 30.2220

# Conversions

## Conversions Part 2

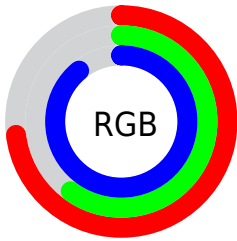
Format	Color
<a href="#">RYB</a>	<a href="#">186, 152, 226</a>
Decimal	<a href="#">12228834</a>
CIELab	<a href="#">68.30, 26.87, -32.81</a>
CIELCh	<a href="#">68, 42.409, 309.323</a>
Yxy	<a href="#">38.3866, 0.2815, 0.2391</a>
Android (android.graphics.Color)	<a href="#">4290418914 (0xFFBA98E2)</a>
YUV	<a href="#">170.6020, 27.3112, 13.5040</a>
Hunter-Lab	<a href="#">61.9569, 21.7802, -30.2830</a>

# Details

The Yxy color **38.3866, 0.2815, 0.2391** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.8658, 0.3363, 0.4178**, and the grayscale version is **40.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9003, 0.3063, 0.2809**, and **17.1152, 0.2721, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **30.2700, 0.2691, 0.2087**, and if you desaturate by 10%, it is **48.0351, 0.2926, 0.2686**.

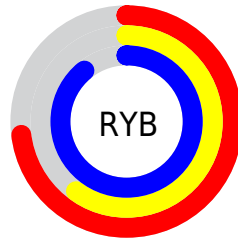
# Distribution



Red (73%)

Green (60%)

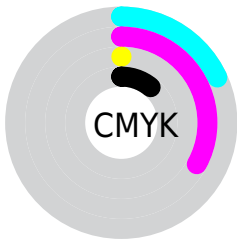
Blue (89%)



Red (73%)

Yellow (60%)

Blue (89%)

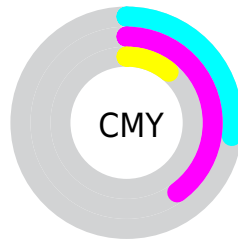


Cyan (18%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (40%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3866, 0.2815, 0.2391 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 38.3866, 0.2815, 0.2391 by changing the saturation by 10% instead.




 38.3866, 0.2815,  
0.2391


 38.3866, 0.2815,  
0.2391

339.2755, 0.2982,  
0.2823

 26.2829, 0.2771,  
0.2289

 72.7003, 0.2878,  
0.2544

 17.0354, 0.2713,  
0.2163


 95.6791, 0.2901,  
0.2602

 10.2597, 0.2635,  
0.2001


123.0517, 0.2920,  
0.2652

 5.5715, 0.2523,  
0.1788

155.2024, 0.2936,  
0.2696

 2.5863, 0.2355,  
0.1501

192.5158, 0.2950,  
0.2734

 0.9198, 0.2082,  
0.1104

235.3762, 0.2962,

 0.0000, 0.1560,

0.2767

0.0000

284.1680, 0.2973,  
0.2797

0.0000, 0.0000,  
0.0000

38.3866, 0.2815,  
0.2391

38.3866, 0.2815,  
0.2391

30.2700, 0.2691,  
0.2087

48.0351, 0.2926,  
0.2686

23.5975, 0.2556,  
0.1787

59.2871, 0.3023,  
0.2965

18.2799, 0.2415,  
0.1504

72.2154, 0.3107,  
0.3224

14.2154, 0.2273,  
0.1255

86.8870, 0.3178,  
0.3459

11.2871, 0.2137,  
0.1054

96.8050, 0.3247,  
0.3576

■ 9.3547, 0.2013,  
0.0911

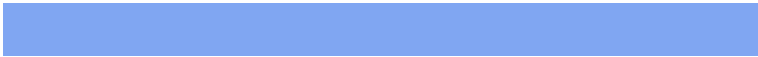
■ 98.2700, 0.3298,  
0.3572

■ 8.4123, 0.1933,  
0.0838

# Harmonies

## Analogous

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



38.3866, 0.2321, 0.2309



38.3866, 0.2815, 0.2391



38.3866, 0.3451, 0.2661

# Triad

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



38.3866, 0.2815, 0.2391



38.3866, 0.4307, 0.4014



38.3866, 0.2263, 0.3437

# Complementary

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



38.3866, 0.2815, 0.2391



67.8658, 0.3363, 0.4178

# 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.



38.3866, 0.2734, 0.4069



38.3866, 0.2815, 0.2391



38.3866, 0.3918, 0.4365

# Square

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



38.3866, 0.2815, 0.2391



38.3866, 0.4366, 0.3544



38.3866, 0.3339, 0.4424



38.3866, 0.2029, 0.2835



# Rectangle

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



38.3866, 0.2815, 0.2391



38.3866, 0.3866, 0.2921



38.3866, 0.3339, 0.4424



38.3866, 0.2397, 0.3659

# Sweetspot

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



38.3882, 0.2815, 0.2391



82.2710, 0.3047, 0.3036



50.1768, 0.2609, 0.2866



17.1153, 0.3034, 0.2999



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.



38.3882, 0.2815, 0.2391



43.2865, 0.2735, 0.2193



43.5301, 0.3132, 0.2471



13.5497, 0.3052, 0.3053



4.8688, 0.1949, 0.0847



0.3902, 0.2121, 0.0942



# Inverse Universe

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



42.4399, 0.3476, 0.2831



49.5087, 0.3573, 0.2738



63.6918, 0.3106, 0.4253



13.8240, 0.3208, 0.3164



10.0550, 0.4778, 0.2406



0.7150, 0.4470, 0.2236



# Previews

## White Background



This preview shows how the Yxy color 38.3866, 0.2815, 0.2391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

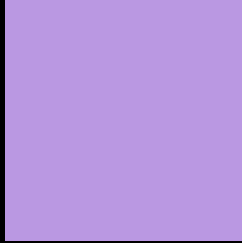
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.3866, 0.2815, 0.2391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

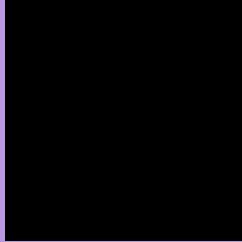
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.3866, 0.2815, 0.2391**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3866, 0.2815, 0.2391.



This preview shows how white text looks on a background with the Yxy color 38.3866, 0.2815, 0.2391.

# 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

38.3866, 0.2815, 0.2391

### Protanopia

38.5688, 0.2459, 0.2374

### Deuteranopia

38.5120, 0.2566, 0.2503



## Tritanopia

38.2829, 0.3154, 0.3113

# Trichromacy



**Original Color**

38.3866, 0.2815, 0.2391

**Protanomaly**

38.4414, 0.2576, 0.2378

**Deuteranomaly**

38.4704, 0.2651, 0.2459

**Tritanomaly**

38.0521, 0.3020, 0.2817

# Monochromacy



**Original Color**

38.3866, 0.2815, 0.2391

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

39.5426, 0.3008, 0.2931

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3866, 0.2815, 0.2391 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(186, 152, 226)` looks like.

```
.text, #text, p{  
    color:rgb(186, 152, 226)  
}
```

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(186, 152, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 152, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3866, 0.2815, 0.2391 is called "border". The border property can be set on classes, ids or directly on the HTML element.

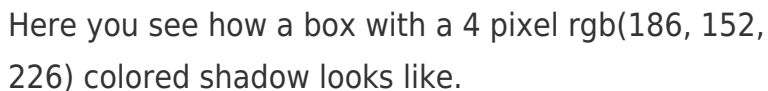
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 152, 226) }
```

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

```
.border{ border-color:rgb(186, 152, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 152, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 152, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 152, 226); box-shadow:4px 4px 4px 4px rgb(186, 152, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3866, 0.2815, 0.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 152, 226) }
```

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

```
.background{ background-color: rgb(186,  
152, 226) }
```

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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