

# Converting Colors

Yxy(38.8144, 0.2904, 0.2311)

Have a look what the booklet for  
Yxy(38.8144, 0.2904, 0.2311)  
contains.

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# Color

**Yxy(38.7448, 0.2903, 0.2306)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C992E7
RGB	201, 146, 231
RGB Percent	79%, 57%, 91%
CMY	0.2120, 0.4273, 0.0942
CMYK	0.13, 0.37, 0.00, 0.09
HSL	279°, 64%, 74%
HSV	279°, 37%, 91%
XYZ	48.7754, 38.7448, 80.4971
YIQ	172.1350, 5.4950, 38.0950

# Conversions

## Conversions Part 2

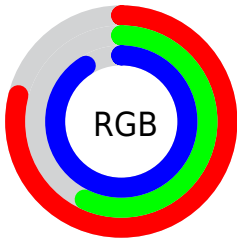
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 146, 231
Decimal	13210343
CIE <sub>Lab</sub>	68.57, 35.80, -35.04
CIE <sub>LCh</sub>	69, 50.092, 315.611
Yxy	38.7448, 0.2903, 0.2306
Android (android.graphics.Color)	4291400423 (0xFFC992E7)
YUV	172.1350, 29.0204, 25.3146
Hunter-Lab	62.2453, 30.9433, -33.1035

# Details

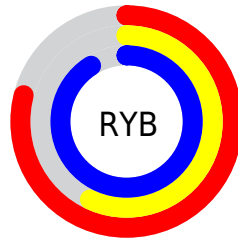
The Yxy color **38.7448, 0.2903, 0.2306** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.4595, 0.3274, 0.4337**, and the grayscale version is **41.1750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **17.2115, 0.2828, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **31.2260, 0.2820, 0.2028**, and if you desaturate by 10%, it is **47.7657, 0.2977, 0.2587**.

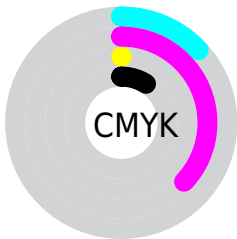
# Distribution



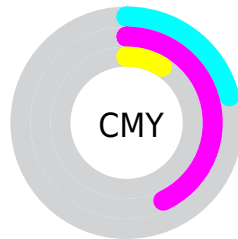
- Red (79%)
- Green (57%)
- Blue (91%)



- Red (79%)
- Yellow (57%)
- Blue (91%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (43%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7448, 0.2903, 0.2306 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 38.7448, 0.2903, 0.2306 by changing the saturation by 10% instead.





 38.7448, 0.2903,  
0.2306


 38.7448, 0.2903,  
0.2306


340.8043, 0.3029,  
0.2772

 26.5613, 0.2868,  
0.2198


 73.2483, 0.2951,  
0.2469

 17.2440, 0.2823,  
0.2066


 96.3370, 0.2969,  
0.2532

 10.4086, 0.2759,  
0.1898

123.8296, 0.2983,  
0.2586

 5.6707, 0.2668,  
0.1681

156.1105, 0.2995,  
0.2633

 2.6459, 0.2528,  
0.1394

193.5640, 0.3005,  
0.2674

 0.9498, 0.2295,  
0.1008

236.5745, 0.3014,

 0.0000, 0.1962,

0.2711

0.0000

285.5265, 0.3022,  
0.2743

0.0000, 0.0000,  
0.0000

38.7448, 0.2903,  
0.2306

38.7448, 0.2903,  
0.2306

31.2260, 0.2820,  
0.2028

47.7657, 0.2977,  
0.2587

25.1165, 0.2730,  
0.1764

58.3647, 0.3041,  
0.2861

20.3202, 0.2635,  
0.1527

70.6182, 0.3095,  
0.3123


16.7269, 0.2538,  
0.1330


84.5962, 0.3141,  
0.3367

14.2076, 0.2443,  
0.1180

96.1284, 0.3183,  
0.3529

 12.5977, 0.2353,  
0.1080

 97.6049, 0.3235,  
0.3525

 12.1850, 0.2325,  
0.1054

 98.5487, 0.3268,  
0.3523

# Harmonies

## Analogous

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



38.7448, 0.2291, 0.2161



38.7448, 0.2903, 0.2306



38.7448, 0.3663, 0.2649

# Triad

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



38.7448, 0.2903, 0.2306



38.7448, 0.4427, 0.4211



38.7448, 0.2042, 0.3289

# Complementary

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



38.7448, 0.2903, 0.2306



68.4595, 0.3274, 0.4337

# 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.



38.7448, 0.2525, 0.4078



38.7448, 0.2903, 0.2306



38.7448, 0.3903, 0.4598

# Square

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



38.7448, 0.2903, 0.2306



38.7448, 0.4603, 0.3677



38.7448, 0.3206, 0.4599



38.7448, 0.1844, 0.2628



# Rectangle

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



38.7448, 0.2903, 0.2306



38.7448, 0.4132, 0.2960



38.7448, 0.3206, 0.4599



38.7448, 0.2173, 0.3554

# Sweetspot

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



38.7464, 0.2903, 0.2306



81.5574, 0.3073, 0.3013



43.3999, 0.2515, 0.2596



17.0090, 0.3066, 0.2977



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.



38.7464, 0.2903, 0.2306



41.2996, 0.2842, 0.2098



42.7045, 0.3270, 0.2489



14.3469, 0.3082, 0.3054



6.9040, 0.2338, 0.1062



0.5617, 0.2466, 0.1132



# Inverse Universe

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



40.6931, 0.3700, 0.2948



44.2424, 0.3873, 0.2879



65.7043, 0.3012, 0.4252



14.4518, 0.3237, 0.3207



9.8846, 0.5557, 0.2835

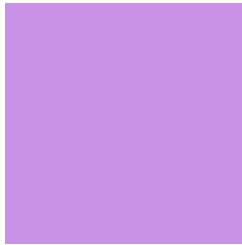


0.7476, 0.5151, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 38.7448, 0.2903, 0.2306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

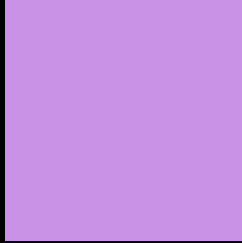
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.7448, 0.2903, 0.2306 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 38.7448, 0.2903, 0.2306**

## Background



This preview shows how black text looks on a background with the Yxy color 38.7448, 0.2903, 0.2306.



This preview shows how white text looks on a background with the Yxy color 38.7448, 0.2903, 0.2306.

# 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

38.7448, 0.2903, 0.2306

### Protanopia

39.2268, 0.2376, 0.2269

### Deuteranopia

38.9403, 0.2542, 0.2481



## Tritanopia

38.6005, 0.3340, 0.3120

# Trichromacy



## Original Color

38.7448, 0.2903, 0.2306



## Protanomaly

38.5911, 0.2539, 0.2268



## Deuteranomaly

38.4902, 0.2668, 0.2411



## Tritanomaly

38.5636, 0.3169, 0.2798

# Monochromacy



## Original Color

38.7448, 0.2903, 0.2306



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

40.1119, 0.3054, 0.2900

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7448, 0.2903, 0.2306 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(201, 146, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 146, 231)  
}
```

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(201, 146, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 146, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7448, 0.2903, 0.2306 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(201, 146, 231) }
```

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

```
.border{ border-color:rgb(201, 146, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 146, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 146, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 146, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 146,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7448, 0.2903, 0.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 146, 231) }
```

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

```
.background{ background-color: rgb(201,  
146, 231) }
```

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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