

# Converting Colors

$Y_{xy}(41.1163, 0.2731, 0.2174)$

Have a look what the booklet for  
Yxy(41.1163, 0.2731, 0.2174)  
contains.

<b>Yxy(40.9686, 0.2726, 0.2168)</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(40.9686, 0.2726, 0.2168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C597FB
RGB	197, 151, 251
RGB Percent	77%, 59%, 98%
CMY	0.2274, 0.4079, 0.0155
CMYK	0.22, 0.40, 0.00, 0.02
HSL	268°, 93%, 79%
HSV	268°, 40%, 98%
XYZ	51.5131, 40.9686, 96.4879
YIQ	176.1540, -4.6840, 40.8520

# Conversions

## Conversions Part 2

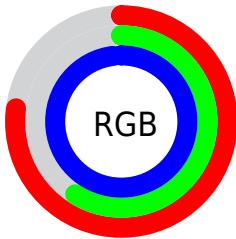
Format	Color
R <sub>Y</sub> B	197, 151, 251
Decimal	12949499
CIE Lab	70.15, 36.31, -43.56
CIE LCh	70, 56.707, 309.809
Yxy	40.9686, 0.2726, 0.2168
Android (android.graphics.Color)	4291139579 (0xFFC597FB)
YUV	176.1540, 36.8991, 18.2819
Hunter-Lab	64.0067, 31.6464, -44.5729

# Details

The Yxy color  $40.9686, 0.2726, 0.2168$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $84.2299, 0.3407, 0.4396$ , and the grayscale version is  $43.3080, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $72.6226, 0.3150, 0.2811$ , and  $18.4814, 0.2598, 0.1906$  is the 20% darker color. If you saturate the color by 10%, you get  $31.9846, 0.2593, 0.1864$ , and if you desaturate by 10%, it is  $51.8405, 0.2847, 0.2472$ .

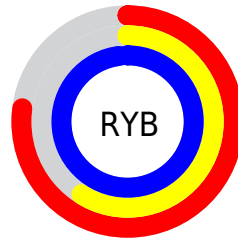
# Distribution



Red (77%)

Green (59%)

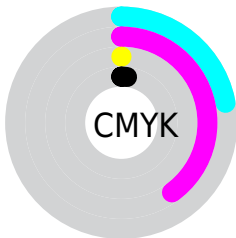
Blue (98%)



Red (77%)

Yellow (59%)

Blue (98%)

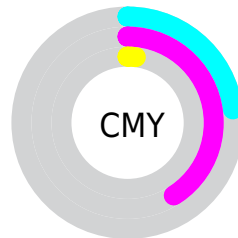


Cyan (22%)

Magenta (40%)

Yellow (0%)

Black (2%)



Cyan (23%)

Magenta (41%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9686, 0.2726, 0.2168 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 40.9686, 0.2726, 0.2168 by changing the saturation by 10% instead.




 40.9686, 0.2726,  
0.2168


 40.9686, 0.2726,  
0.2168


350.1894, 0.2938,  
0.2687

 28.2945, 0.2671,  
0.2052


 76.6362, 0.2805,  
0.2347

 18.5478, 0.2601,  
0.1910


 100.3986, 0.2834,  
0.2417

 11.3440, 0.2508,  
0.1735


128.6258, 0.2858,  
0.2477

 6.2987, 0.2379,  
0.1514

161.7024, 0.2879,  
0.2530

 3.0276, 0.2194,  
0.1232

200.0126, 0.2897,  
0.2577

 1.1461, 0.1915,  
0.0872

243.9409, 0.2913,

 0.0170, 0.1538,

0.2618

0.0029

293.8717, 0.2926,  
0.2654

0.0000, 0.0000,  
0.0000

40.9686, 0.2726,  
0.2168

40.9686, 0.2726,  
0.2168

31.9846, 0.2593,  
0.1864

51.8405, 0.2847,  
0.2472

24.7690, 0.2453,  
0.1573

64.6999, 0.2955,  
0.2765

19.1961, 0.2310,  
0.1313

79.6452, 0.3048,  
0.3040

15.1205, 0.2171,  
0.1099

96.7667, 0.3128,  
0.3294

12.3700, 0.2043,  
0.0941

99.7473, 0.3150,  
0.3328

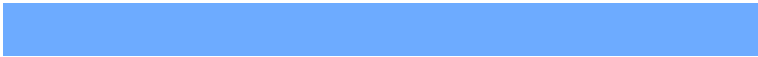
■ 10.6679, 0.1931,  
0.0838

■ 10.6463, 0.1930,  
0.0837

# Harmonies

## Analogous

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



40.9686, 0.2110, 0.2056



40.9686, 0.2726, 0.2168



40.9686, 0.3552, 0.2501

# Triad

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



40.9686, 0.2726, 0.2168



40.9686, 0.4627, 0.4173



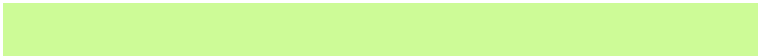
40.9686, 0.2011, 0.3451

# Complementary

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



40.9686, 0.2726, 0.2168



84.2299, 0.3407, 0.4396

# 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.



40.9686, 0.2587, 0.4329



40.9686, 0.2726, 0.2168



40.9686, 0.4099, 0.4667

# Square

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



40.9686, 0.2726, 0.2168



40.9686, 0.4742, 0.3577



40.9686, 0.3352, 0.4802



40.9686, 0.1742, 0.2665



# Rectangle

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



40.9686, 0.2726, 0.2168



40.9686, 0.4102, 0.2818



40.9686, 0.3352, 0.4802



40.9686, 0.2171, 0.3755

# Sweetspot

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



40.9702, 0.2726, 0.2168



79.0068, 0.3029, 0.2983



57.6952, 0.2493, 0.2752



16.4638, 0.3017, 0.2947



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.



40.9702, 0.2726, 0.2168



34.6940, 0.2618, 0.1918



48.6958, 0.3131, 0.2293



17.0343, 0.3051, 0.3050



5.6788, 0.1947, 0.0846



0.5882, 0.2078, 0.0918



# Inverse Universe

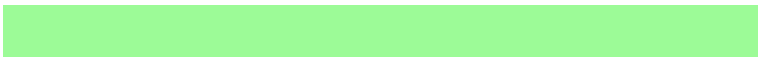
The Inverse Universe completely reimagines the original color for something new.



47.0535, 0.3587, 0.2728



42.0345, 0.3725, 0.2616



78.3174, 0.3098, 0.4509



17.3820, 0.3209, 0.3163



11.7374, 0.4793, 0.2414

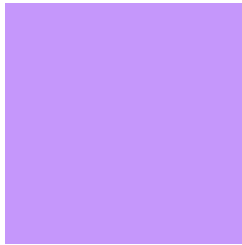


1.1085, 0.4552, 0.2281



# Previews

## White Background



This preview shows how the Yxy color 40.9686, 0.2726, 0.2168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

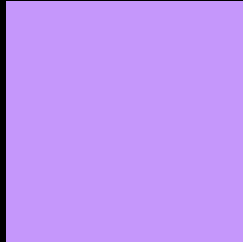
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.9686, 0.2726, 0.2168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

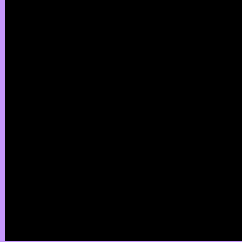
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.9686, 0.2726, 0.2168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.9686, 0.2726, 0.2168.



This preview shows how white text looks on a background with the Yxy color 40.9686, 0.2726, 0.2168.

# 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

40.9686, 0.2726, 0.2168

### Protanopia

41.3467, 0.2345, 0.2234

### Deuteranopia

41.2156, 0.2387, 0.2325



## Tritanopia

40.8414, 0.3191, 0.3119

# Trichromacy



## Original Color

40.9686, 0.2726, 0.2168

## Protanomaly

40.6778, 0.2463, 0.2192

## Deuteranomaly

40.6531, 0.2498, 0.2260

## Tritanomaly

40.7163, 0.3009, 0.2738

# Monochromacy



## Original Color

40.9686, 0.2726, 0.2168

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.1396, 0.2982, 0.2832

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9686, 0.2726, 0.2168 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(197, 151, 251)` looks like.

```
.text, #text, p{  
    color:rgb(197, 151, 251)  
}
```

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(197, 151, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 151, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9686, 0.2726, 0.2168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

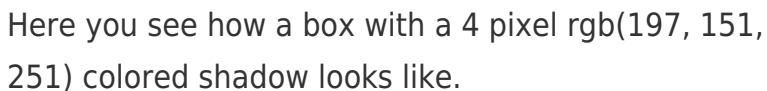
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 151, 251) }
```

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

```
.border{ border-color:rgb(197, 151, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 151, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 151, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 151, 251);  
box-shadow:4px 4px 4px 4px rgb(197, 151,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9686, 0.2726, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 151, 251) }
```

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

```
.background{ background-color: rgb(197,  
151, 251) }
```

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