

# Converting Colors

$Yxy(39.9486, 0.2681, 0.2095)$

Have a look what the booklet for  
Yxy(39.9486, 0.2681, 0.2095)  
contains.

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**Color**

**Yxy(40.0019, 0.2681, 0.2097)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C394FF
RGB	195, 148, 255
RGB Percent	76%, 58%, 100%
CMY	0.2353, 0.4196, 0.0001
CMYK	0.24, 0.42, 0.00, 0.00
HSL	266°, 100%, 79%
HSV	266°, 42%, 100%
XYZ	51.1422, 40.0019, 99.6137
YIQ	174.2510, -6.3350, 43.2410

# Conversions

## Conversions Part 2

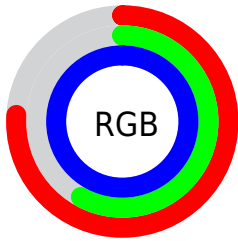
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 148, 255
Decimal	12817663
CIE <sub>Lab</sub>	69.47, 38.27, -46.79
CIE <sub>LCh</sub>	69, 60.448, 309.278
Yxy	40.0019, 0.2681, 0.2097
Android (android.graphics.Color)	4291007743 (0xFFC394FF)
YUV	174.2510, 39.8093, 18.1969
Hunter-Lab	63.2471, 33.6544, -49.1084

# Details

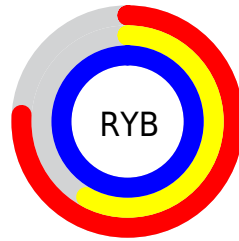
The Yxy color  $40.0019, 0.2681, 0.2097$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $87.0519, 0.3434, 0.4454$ , and the grayscale version is  $42.2583, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $70.8145, 0.3136, 0.2779$ , and  $17.9319, 0.2540, 0.1820$  is the 20% darker color. If you saturate the color by 10%, you get  $31.0516, 0.2541, 0.1791$ , and if you desaturate by 10%, it is  $50.8992, 0.2810, 0.2405$ .

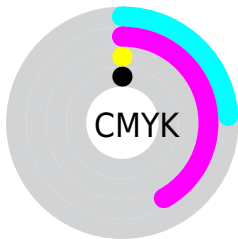
# Distribution



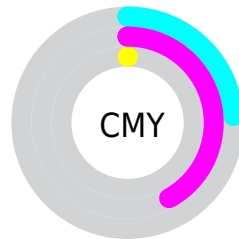
- Red (76%)
- Green (58%)
- Blue (100%)



- Red (76%)
- Yellow (58%)
- Blue (100%)



- Cyan (24%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0019, 0.2681, 0.2097 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 40.0019, 0.2681, 0.2097 by changing the saturation by 10% instead.





 40.0019, 0.2681,  
0.2097

 40.0019, 0.2681,  
0.2097


346.1316, 0.2917,  
0.2647

 27.5400, 0.2621,  
0.1975


 75.1664, 0.2768,  
0.2285

 17.9792, 0.2543,  
0.1827


 98.6378, 0.2801,  
0.2360

 10.9351, 0.2440,  
0.1645


126.5479, 0.2828,  
0.2424

 6.0232, 0.2300,  
0.1417

159.2810, 0.2851,  
0.2480

 2.8592, 0.2100,  
0.1130

197.2215, 0.2871,  
0.2529

 1.0587, 0.1803,  
0.0774

240.7538, 0.2888,


 0.0000, 0.1401,


0.2573


0.0000


290.2624, 0.2904,  
0.2612


 0.0000, 0.0000,  
0.0000


 40.0019, 0.2681,  
0.2097

 40.0019, 0.2681,  
0.2097


 31.0516, 0.2541,  
0.1791


 50.8992, 0.2810,  
0.2405


 23.9216, 0.2395,  
0.1502

 63.8501, 0.2925,  
0.2703


 18.4771, 0.2247,  
0.1247

 78.9585, 0.3025,  
0.2984

 14.5615, 0.2107,  
0.1041

 96.3203, 0.3112,  
0.3242

 11.9867, 0.1981,  
0.0894

 99.9985, 0.3127,  
0.3290

■ 10.6641, 0.1892,  
0.0816

# Harmonies

## Analogous

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



40.0019, 0.2037, 0.1981



40.0019, 0.2681, 0.2097



40.0019, 0.3563, 0.2443

# Triad

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



40.0019, 0.2681, 0.2097



40.0019, 0.4729, 0.4200



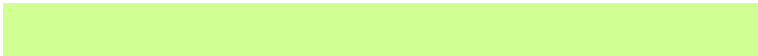
40.0019, 0.1943, 0.3474

# Complementary

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



40.0019, 0.2681, 0.2097



87.0519, 0.3434, 0.4454

# 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.



40.0019, 0.2555, 0.4431



40.0019, 0.2681, 0.2097



40.0019, 0.4163, 0.4747

# Square

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



40.0019, 0.2681, 0.2097



40.0019, 0.4855, 0.3568



40.0019, 0.3369, 0.4926



40.0019, 0.1660, 0.2625



# Rectangle

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



40.0019, 0.2681, 0.2097



40.0019, 0.4159, 0.2774



40.0019, 0.3369, 0.4926



40.0019, 0.2113, 0.3806

# Sweetspot

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



40.0035, 0.2681, 0.2097



77.2865, 0.3016, 0.2955



58.9322, 0.2463, 0.2740



15.7989, 0.2994, 0.2895



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.



40.0035, 0.2681, 0.2097



32.6583, 0.2569, 0.1850



48.3296, 0.3116, 0.2238



17.7681, 0.3048, 0.3049



5.6582, 0.1908, 0.0825



0.6143, 0.2034, 0.0894



# Inverse Universe

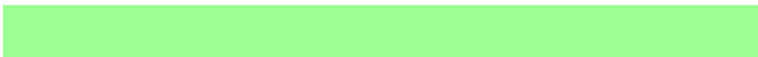
The Inverse Universe completely reimagines the original color for something new.



46.9918, 0.3599, 0.2676



40.6912, 0.3732, 0.2565



80.6265, 0.3105, 0.4582



18.1577, 0.3206, 0.3158



12.1753, 0.4708, 0.2367

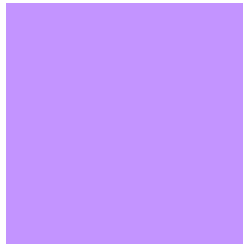


1.2074, 0.4489, 0.2247



# Previews

## White Background



This preview shows how the Yxy color 40.0019, 0.2681, 0.2097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

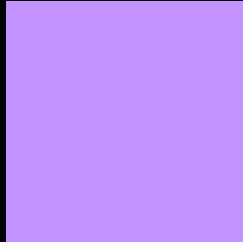
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.0019, 0.2681, 0.2097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

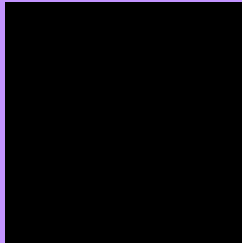
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.0019, 0.2681, 0.2097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.0019, 0.2681, 0.2097.



This preview shows how white text looks on a background with the Yxy color 40.0019, 0.2681, 0.2097.

# 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

40.0019, 0.2681, 0.2097

### Protanopia

40.3464, 0.2323, 0.2205

### Deuteranopia

40.4919, 0.2324, 0.2262



## Tritanopia

39.9484, 0.3163, 0.3116

# Trichromacy



## Original Color

40.0019, 0.2681, 0.2097



## Protanomaly

39.7325, 0.2434, 0.2153



## Deuteranomaly

39.6861, 0.2439, 0.2189



## Tritanomaly

39.6916, 0.2974, 0.2696

# Monochromacy



## Original Color

40.0019, 0.2681, 0.2097



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

41.1671, 0.2964, 0.2803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0019, 0.2681, 0.2097 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, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 148, 255)  
}
```

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, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 148, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0019, 0.2681, 0.2097 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, 148, 255) }
```

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

```
.border{ border-color:rgb(195, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 148,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0019, 0.2681, 0.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 148, 255) }
```

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

```
.background{ background-color: rgb(195,  
148, 255) }
```

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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