

Converting Colors

$Y_{xy}(40.0579, 0.2730, 0.2086)$

Have a look what the booklet for
Yxy(40.0579, 0.2730, 0.2086)
contains.

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Color

Yxy(39.8883, 0.2726, 0.2081)

Conversions

Conversions Part 1

Format	Color
Hex	C991FF
RGB	201, 145, 255
RGB Percent	79%, 57%, 100%
CMY	0.2119, 0.4313, 0.0001
CMYK	0.21, 0.43, 0.00, 0.00
HSL	271°, 100%, 78%
HSV	271°, 43%, 100%
XYZ	52.2516, 39.8883, 99.5387
YIQ	174.2840, -1.9340, 46.0820

Conversions

Conversions Part 2

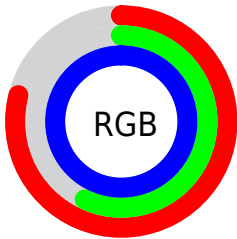
Format	Color
R_{YB}	201, 145, 255
Decimal	13210111
CIE _{Lab}	69.39, 41.54, -46.88
CIE _{LCh}	69, 62.637, 311.540
Yxy	39.8883, 0.2726, 0.2081
Android (android.graphics.Color)	4291400191 (0xFFC991FF)
YUV	174.2840, 39.7930, 23.4299
Hunter-Lab	63.1572, 37.1526, -49.2338

Details

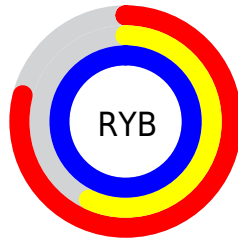
The Yxy color **39.8883, 0.2726, 0.2081** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.7044, 0.3390, 0.4509**, and the grayscale version is **42.2738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **17.9257, 0.2598, 0.1806** is the 20% darker color. If you saturate the color by 10%, you get **31.2849, 0.2602, 0.1787**, and if you desaturate by 10%, it is **50.3850, 0.2840, 0.2381**.

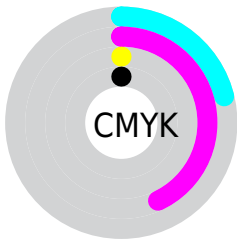
Distribution



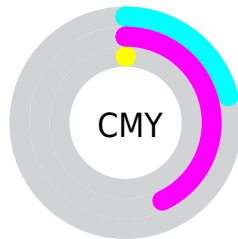
- Red (79%)
- Green (57%)
- Blue (100%)



- Red (79%)
- Yellow (57%)
- Blue (100%)



- Cyan (21%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8883, 0.2726, 0.2081 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 39.8883, 0.2726, 0.2081 by changing the saturation by 10% instead.


 39.8883, 0.2726,
0.2081


 39.8883, 0.2726,
0.2081

345.6525, 0.2941,
0.2636

 27.4515, 0.2670,
0.1958


 74.9934, 0.2806,
0.2271

 17.9126, 0.2598,
0.1810


 98.4304, 0.2836,
0.2346

 10.8872, 0.2502,
0.1627


126.3030, 0.2861,
0.2410

 5.9911, 0.2370,
0.1399

158.9955, 0.2882,
0.2467

 2.8396, 0.2180,
0.1114

196.8923, 0.2900,
0.2517

 1.0486, 0.1895,
0.0759

240.3778, 0.2916,

 0.0000, 0.1505,

0.2561

0.0000

289.8364, 0.2929,
0.2600

■ 0.0000, 0.0000,
0.0000

■ 39.8883, 0.2726,
0.2081

■ 39.8883, 0.2726,
0.2081

■ 31.2849, 0.2602,
0.1787

■ 50.3850, 0.2840,
0.2381

■ 24.4484, 0.2471,
0.1513

■ 62.8810, 0.2941,
0.2674

■ 19.2438, 0.2339,
0.1274

■ 77.4798, 0.3030,
0.2954

■ 15.5136, 0.2212,
0.1084

■ 94.2761, 0.3106,
0.3213

■ 13.0669, 0.2094,
0.0951

■ 99.9990, 0.3127,
0.3290

■ 11.9410, 0.2021,
0.0887

Harmonies

Analogous

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



39.8883, 0.2041, 0.1943



39.8883, 0.2726, 0.2081



39.8883, 0.3650, 0.2451

Triad

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



39.8883, 0.2726, 0.2081



39.8883, 0.4747, 0.4267



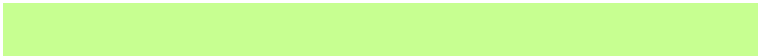
39.8883, 0.1870, 0.3400

Complementary

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



39.8883, 0.2726, 0.2081



85.7044, 0.3390, 0.4509

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.



39.8883, 0.2474, 0.4413



39.8883, 0.2726, 0.2081



39.8883, 0.4133, 0.4825

Square

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



39.8883, 0.2726, 0.2081



39.8883, 0.4926, 0.3617



39.8883, 0.3304, 0.4979



39.8883, 0.1608, 0.2547

Rectangle

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



39.8883, 0.2726, 0.2081



39.8883, 0.4260, 0.2797



39.8883, 0.3304, 0.4979



39.8883, 0.2035, 0.3746

Sweetspot

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



39.8899, 0.2726, 0.2081



77.6835, 0.3031, 0.2957



54.5525, 0.2429, 0.2630



15.8966, 0.3013, 0.2897



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.



39.8899, 0.2726, 0.2081



32.1650, 0.2616, 0.1819



48.7352, 0.3177, 0.2231



17.8319, 0.3059, 0.3050



6.3294, 0.2038, 0.0896



0.6813, 0.2159, 0.0963

Inverse Universe

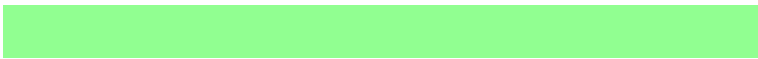
The Inverse Universe completely reimagines the original color for something new.



45.6423, 0.3695, 0.2734



38.8891, 0.3871, 0.2628



79.5771, 0.3064, 0.4640



18.1359, 0.3217, 0.3174



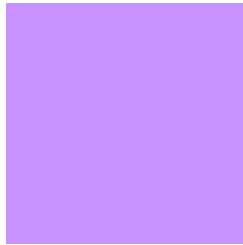
11.9164, 0.5001, 0.2529



1.1823, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 39.8883, 0.2726, 0.2081 looks on a white background.

Color Contrast Check

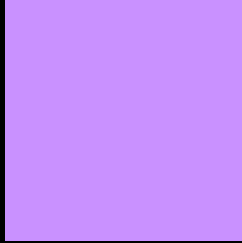
Large Text (above 18pt) WCAG AA × Fail

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 39.8883, 0.2726, 0.2081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

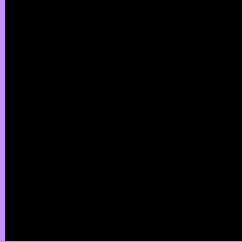
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8883, 0.2726, 0.2081

Background



This preview shows how black text looks on a background with the Yxy color 39.8883, 0.2726, 0.2081.



This preview shows how white text looks on a background with the Yxy color 39.8883, 0.2726, 0.2081.

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

39.8883, 0.2726, 0.2081

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.0583, 0.2326, 0.2259



Tritanopia

39.8543, 0.3248, 0.3132

Trichromacy



Original Color

39.8883, 0.2726, 0.2081



Protanomaly

39.5933, 0.2445, 0.2145



Deuteranomaly

39.5408, 0.2450, 0.2180



Tritanomaly

39.3430, 0.3045, 0.2690

Monochromacy



Original Color

39.8883, 0.2726, 0.2081



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.6965, 0.2981, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8883, 0.2726, 0.2081 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, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 145, 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(201, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8883, 0.2726, 0.2081 is called "border". The border property can be set on classes, ids or directly on the HTML element.

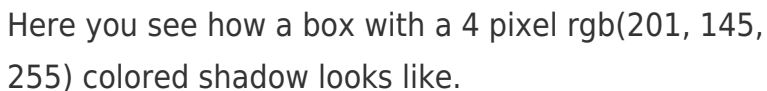
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 145, 255) }
```

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

```
.border{ border-color:rgb(201, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8883, 0.2726, 0.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 145, 255) }
```

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

```
.background{ background-color: rgb(201,  
145, 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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