

Converting Colors

$Y_{xy}(41.6792, 0.2612, 0.1899)$

Have a look what the booklet for
Yxy(41.6792, 0.2612, 0.1899)
contains.

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Color

Yxy(39.9867, 0.2765, 0.2074)

Conversions

Conversions Part 1

Format	Color
Hex	CE8FFF
RGB	206, 143, 255
RGB Percent	81%, 56%, 100%
CMY	0.1924, 0.4391, 0.0001
CMYK	0.19, 0.44, 0.00, 0.00
HSL	274°, 100%, 78%
HSV	274°, 44%, 100%
XYZ	53.3092, 39.9867, 99.5040
YIQ	174.6050, 1.5960, 48.1880

Conversions

Conversions Part 2

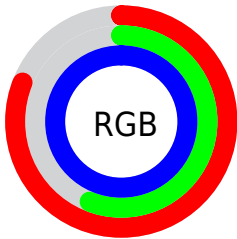
Format	Color
R _Y B	206, 143, 255
Decimal	13537279
CIE _{Lab}	69.46, 43.98, -46.74
CIE _{LCh}	69, 64.178, 313.258
Yxy	39.9867, 0.2765, 0.2074
Android (android.graphics.Color)	4291727359 (0xFFCE8FFF)
YUV	174.6050, 39.6347, 27.5334
Hunter-Lab	63.2350, 39.8199, -49.0318

Details

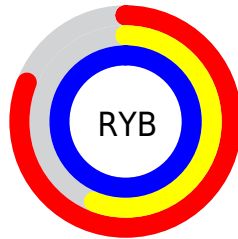
The Yxy color **39.9867, 0.2765, 0.2074** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.7150, 0.3355, 0.4548**, and the grayscale version is **42.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **18.0434, 0.2649, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **31.6382, 0.2654, 0.1790**, and if you desaturate by 10%, it is **50.1919, 0.2867, 0.2367**.

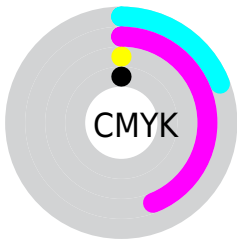
Distribution



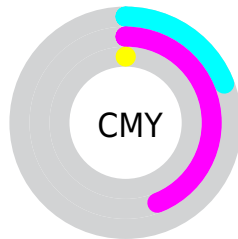
- Red (81%)
- Green (56%)
- Blue (100%)



- Red (81%)
- Yellow (56%)
- Blue (100%)



- Cyan (19%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9867, 0.2765, 0.2074 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 39.9867, 0.2765, 0.2074 by changing the saturation by 10% instead.


 39.9867, 0.2765,
0.2074


 39.9867, 0.2765,
0.2074


346.0675, 0.2962,
0.2630

 27.5282, 0.2713,
0.1951


 75.1433, 0.2839,
0.2264

 17.9703, 0.2646,
0.1803


 98.6101, 0.2866,
0.2339

 10.9287, 0.2556,
0.1621


126.5151, 0.2889,
0.2404

 6.0189, 0.2432,
0.1394

159.2428, 0.2908,
0.2461

 2.8566, 0.2252,
0.1110

197.1775, 0.2925,
0.2511

 1.0573, 0.1980,
0.0758


240.7036, 0.2939,

 0.0000, 0.1606,

0.2555


0.0000


290.2054, 0.2951,
0.2595


 0.0000, 0.0000,
0.0000


 39.9867, 0.2765,
0.2074


 39.9867, 0.2765,
0.2074


 31.6382, 0.2654,
0.1790


 50.1919, 0.2867,
0.2367

 25.0199, 0.2536,
0.1527

 62.3595, 0.2957,
0.2656

 19.9965, 0.2417,
0.1302

 76.5926, 0.3036,
0.2934

 16.4096, 0.2301,
0.1124

 92.9856, 0.3104,
0.3194

 14.0662, 0.2192,
0.1001

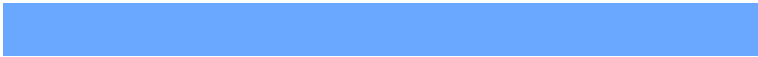
99.9991, 0.3127,
0.3290

■ 13.0807, 0.2131,
0.0947

Harmonies

Analogous

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



39.9867, 0.2051, 0.1918



39.9867, 0.2765, 0.2074



39.9867, 0.3717, 0.2462

Triad

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



39.9867, 0.2765, 0.2074



39.9867, 0.4752, 0.4317



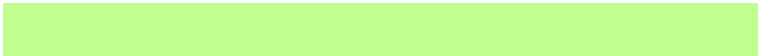
39.9867, 0.1818, 0.3341

Complementary

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



39.9867, 0.2765, 0.2074



84.7150, 0.3355, 0.4548

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.



39.9867, 0.2413, 0.4390



39.9867, 0.2765, 0.2074



39.9867, 0.4104, 0.4880

Square

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



39.9867, 0.2765, 0.2074



39.9867, 0.4971, 0.3655



39.9867, 0.3252, 0.5011



39.9867, 0.1575, 0.2490

Rectangle

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



39.9867, 0.2765, 0.2074



39.9867, 0.4334, 0.2819



39.9867, 0.3252, 0.5011



39.9867, 0.1979, 0.3693

Sweetspot

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



39.9883, 0.2765, 0.2074



77.9911, 0.3043, 0.2958



51.3869, 0.2405, 0.2545



15.9725, 0.3027, 0.2899



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.



39.9883, 0.2765, 0.2074



32.3224, 0.2664, 0.1815



47.7787, 0.3225, 0.2258



17.8811, 0.3067, 0.3051



6.9258, 0.2147, 0.0956



0.7390, 0.2262, 0.1020

Inverse Universe

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



44.7249, 0.3771, 0.2783



37.9146, 0.3976, 0.2688



79.5130, 0.3036, 0.4600



18.1193, 0.3225, 0.3186



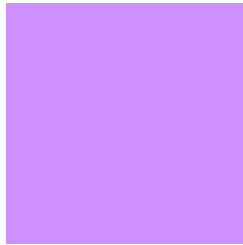
11.7459, 0.5226, 0.2652



1.1652, 0.4940, 0.2495

Previews

White Background



This preview shows how the Yxy color 39.9867, 0.2765, 0.2074 looks on a white background.

Color Contrast Check

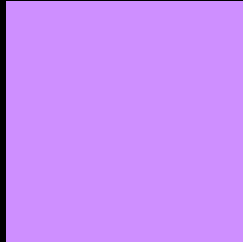
Large Text (above 18pt) WCAG AA × Fail

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 39.9867, 0.2765, 0.2074 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 39.9867, 0.2765, 0.2074

Background



This preview shows how black text looks on a background with the Yxy color 39.9867, 0.2765, 0.2074.



This preview shows how white text looks on a background with the Yxy color 39.9867, 0.2765, 0.2074.

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

39.9867, 0.2765, 0.2074

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.5123, 0.2335, 0.2274



Tritanopia

39.8832, 0.3317, 0.3121

Trichromacy



Original Color

39.9867, 0.2765, 0.2074



Protanomaly

39.4602, 0.2457, 0.2137



Deuteranomaly

39.7470, 0.2464, 0.2184

Tritanomaly

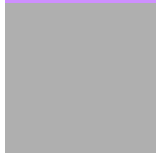
39.4288, 0.3109, 0.2687

Monochromacy



Original Color

39.9867, 0.2765, 0.2074



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.9931, 0.2991, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9867, 0.2765, 0.2074 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(206, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 143, 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(206, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.9867, 0.2765, 0.2074 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(206, 143, 255) }
```

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

```
.border{ border-color:rgb(206, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9867, 0.2765, 0.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 143, 255) }
```

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

```
.background{ background-color: rgb(206,  
143, 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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