

Converting Colors

$Y_{xy}(39.7101, 0.2666, 0.2232)$

Have a look what the booklet for
Yxy(39.7101, 0.2666, 0.2232)
contains.

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Color

Yxy(39.7101, 0.2666, 0.2232)

Conversions

Conversions Part 1

Format	Color
Hex	B79AF4
RGB	183, 154, 244
RGB Percent	72%, 60%, 96%
CMY	0.2820, 0.3962, 0.0430
CMYK	0.25, 0.37, 0.00, 0.04
HSL	259°, 80%, 78%
HSV	259°, 37%, 96%
XYZ	47.4315, 39.7101, 90.7710
YIQ	172.9310, -11.6060, 34.1380

Conversions

Conversions Part 2

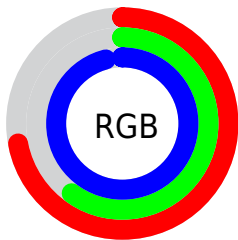
Format	Color
RYB	183, 154, 244
Decimal	12032756
CIELab	69.26, 29.08, -41.23
CIElCh	69, 50.453, 305.200
Yxy	39.7101, 0.2666, 0.2232
Android (android.graphics.Color)	4290222836 (0xFFB79AF4)
YUV	172.9310, 35.0370, 8.8305
Hunter-Lab	63.0160, 24.0773, -41.2928

Details

The Yxy color $39.7101, 0.2666, 0.2232$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81.4794, 0.3475, 0.4278$, and the grayscale version is $41.5797, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.3462, 0.3041, 0.2826$, and $17.8775, 0.2528, 0.1989$ is the 20% darker color. If you saturate the color by 10%, you get $30.5525, 0.2506, 0.1909$, and if you desaturate by 10%, it is $50.7454, 0.2813, 0.2547$.

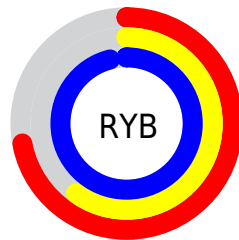
Distribution



Red (72%)

Green (60%)

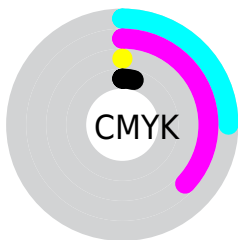
Blue (96%)



Red (72%)

Yellow (60%)

Blue (96%)

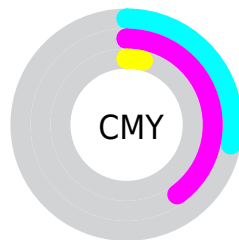


Cyan (25%)

Magenta (37%)

Yellow (0%)

Black (4%)



Cyan (28%)


Magenta (40%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7101, 0.2666, 0.2232 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 39.7101, 0.2666, 0.2232 by changing the saturation by 10% instead.


 39.7101, 0.2666,
0.2232


 39.7101, 0.2666,
0.2232


344.9002, 0.2906,
0.2730

 27.3126, 0.2605,
0.2118


 74.7219, 0.2755,
0.2405

 17.8081, 0.2526,
0.1978


 98.1049, 0.2788,
0.2473

 10.8123, 0.2422,
0.1803


125.9186, 0.2815,
0.2531

 5.9408, 0.2279,
0.1580

158.5473, 0.2839,
0.2581

 2.8091, 0.2073,
0.1290

196.3754, 0.2859,
0.2625

 1.0329, 0.1764,
0.0912

239.7873, 0.2877,

 0.0000, 0.1310,

0.2664

0.0000

289.1674, 0.2893,
0.2699

0.0000, 0.0000,
0.0000

39.7101, 0.2666,
0.2232

39.7101, 0.2666,
0.2232

30.5525, 0.2506,
0.1909

50.7454, 0.2813,
0.2547

23.1599, 0.2337,
0.1592

63.7530, 0.2944,
0.2844

17.4144, 0.2168,
0.1301

78.8265, 0.3058,
0.3117

13.1815, 0.2007,
0.1054

96.0521, 0.3156,
0.3363

10.3038, 0.1864,
0.0867

99.3131, 0.3191,
0.3395

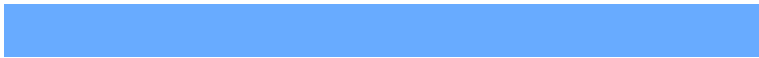
■ 8.5831, 0.1748,
0.0747

■ 8.1918, 0.1716,
0.0719

Harmonies

Analogous

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



39.7101, 0.2137, 0.2166



39.7101, 0.2666, 0.2232



39.7101, 0.3395, 0.2511

Triad

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



39.7101, 0.2666, 0.2232



39.7101, 0.4534, 0.4033



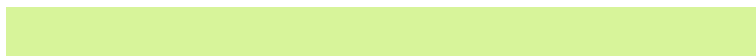
39.7101, 0.2180, 0.3565

Complementary

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



39.7101, 0.2666, 0.2232



81.4794, 0.3475, 0.4278

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.



39.7101, 0.2747, 0.4309



39.7101, 0.2666, 0.2232



39.7101, 0.4113, 0.4493

Square

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



39.7101, 0.2666, 0.2232



39.7101, 0.4557, 0.3485



39.7101, 0.3456, 0.4656



39.7101, 0.1881, 0.2828

Rectangle

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



39.7101, 0.2666, 0.2232



39.7101, 0.3899, 0.2792



39.7101, 0.3456, 0.4656



39.7101, 0.2343, 0.3833

Sweetspot

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



39.7117, 0.2666, 0.2232



79.9674, 0.3013, 0.3008



62.2586, 0.2562, 0.2949



16.6305, 0.2997, 0.2970



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.



39.7117, 0.2666, 0.2232



36.3989, 0.2552, 0.2000



46.0477, 0.3030, 0.2336



16.1869, 0.3030, 0.3049



4.5185, 0.1731, 0.0727



0.4503, 0.1865, 0.0801

Inverse Universe

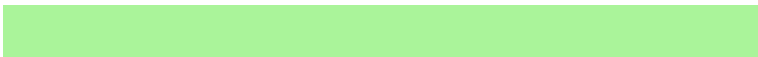
The Inverse Universe completely reimagines the original color for something new.



47.2385, 0.3425, 0.2647



45.9444, 0.3503, 0.2524



75.6469, 0.3176, 0.4378



16.6718, 0.3188, 0.3131



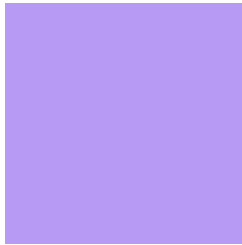
11.9629, 0.4236, 0.2107



1.0702, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 39.7101, 0.2666, 0.2232 looks on a white background.

Color Contrast Check

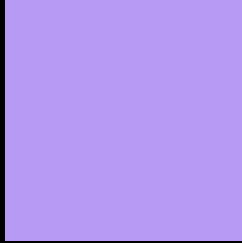
Large Text (above 18pt) WCAG AA × Fail

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 39.7101, 0.2666, 0.2232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

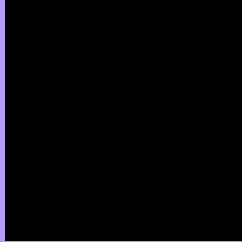
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7101, 0.2666, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 39.7101, 0.2666, 0.2232.



This preview shows how white text looks on a background with the Yxy color 39.7101, 0.2666, 0.2232.

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

39.7101, 0.2666, 0.2232

Protanopia

39.9172, 0.2326, 0.2201

Deuteranopia

40.1069, 0.2415, 0.2360



Tritanopia

39.5906, 0.3054, 0.3112

Trichromacy



Original Color

39.7101, 0.2666, 0.2232

Protanomaly

39.7114, 0.2438, 0.2216

Deuteranomaly

39.7733, 0.2499, 0.2310

Tritanomaly

39.2664, 0.2903, 0.2755

Monochromacy



Original Color

39.7101, 0.2666, 0.2232

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.7431, 0.2953, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7101, 0.2666, 0.2232 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(183, 154, 244)` looks like.

```
.text, #text, p{  
    color:rgb(183, 154, 244)  
}
```

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(183, 154, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 154, 244) }
```

Border

The CSS property to change the border of an element to Yxy 39.7101, 0.2666, 0.2232 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(183, 154, 244) }
```

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

```
.border{ border-color:rgb(183, 154, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 154, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 154, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 154, 244);  
box-shadow:4px 4px 4px 4px rgb(183, 154,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7101, 0.2666, 0.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 154, 244) }
```

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

```
.background{ background-color: rgb(183,  
154, 244) }
```

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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