

Converting Colors

$Y_{xy}(49.2493, 0.2733, 0.2380)$

Have a look what the booklet for
Yxy(49.2493, 0.2733, 0.2380)
contains.

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Color

Yxy(49.2493, 0.2733, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	C7ADFF
RGB	199, 173, 255
RGB Percent	78%, 68%, 100%
CMY	0.2194, 0.3216, 0.0000
CMYK	0.22, 0.32, 0.00, 0.00
HSL	259°, 100%, 84%
HSV	259°, 32%, 100%
XYZ	56.5539, 49.2493, 101.1266
YIQ	190.1220, -10.8260, 31.0140

Conversions

Conversions Part 2

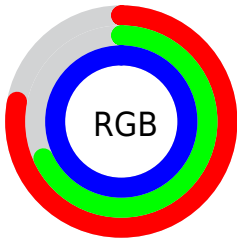
Format	Color
R _Y B	199, 173, 255
Decimal	13086207
CIE Lab	75.61, 25.69, -37.19
CIE LCh	76, 45.202, 304.634
Yxy	49.2493, 0.2733, 0.2380
Android (android.graphics.Color)	4291276287 (0xFFC7ADFF)
YUV	190.1220, 31.9849, 7.7860
Hunter-Lab	70.1778, 21.0358, -36.3127

Details

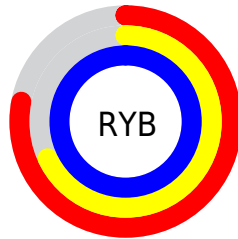
The Yxy color **49.2493, 0.2733, 0.2380** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.1806, 0.3437, 0.4146**, and the grayscale version is **51.3870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **23.4395, 0.2623, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **38.1422, 0.2577, 0.2058**, and if you desaturate by 10%, it is **62.4984, 0.2874, 0.2689**.

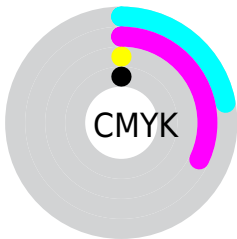
Distribution



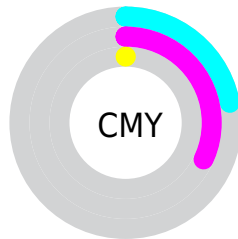
- Red (78%)
- Green (68%)
- Blue (100%)



- Red (78%)
- Yellow (68%)
- Blue (100%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2493, 0.2733, 0.2380 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 49.2493, 0.2733, 0.2380 by changing the saturation by 10% instead.


 49.2493, 0.2733,
0.2380

 49.2493, 0.2733,
0.2380


383.7229, 0.2932,
0.2800

 34.8173, 0.2684,
0.2286


 89.0616, 0.2805,
0.2525

 23.5222, 0.2622,
0.2171


115.2107, 0.2832,
0.2581

 14.9795, 0.2541,
0.2027


146.0342, 0.2855,
0.2630

 8.8050, 0.2432,
0.1844

181.9167, 0.2875,
0.2673

 4.6142, 0.2279,
0.1605

223.2423, 0.2892,
0.2710

 2.0227, 0.2051,
0.1285

270.3957, 0.2907,

 0.6206, 0.1698,

0.2743

0.0826

323.7611, 0.2920,
0.2773

0.0000, 0.0608,
0.0000

0.0000, 0.0000,
0.0000

49.2493, 0.2733,
0.2380

49.2493, 0.2733,
0.2380

38.1422, 0.2577,
0.2058

62.4984, 0.2874,
0.2689

29.0557, 0.2410,
0.1735

77.9904, 0.2998,
0.2976

21.8647, 0.2238,
0.1428

95.8268, 0.3106,
0.3237

16.4279, 0.2071,
0.1156

99.9996, 0.3127,
0.3290

■ 12.5826, 0.1918,
0.0939

■ 10.1343, 0.1789,
0.0789

■ 8.9696, 0.1707,
0.0714

Harmonies

Analogous

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



49.2493, 0.2278, 0.2332



49.2493, 0.2733, 0.2380



49.2493, 0.3345, 0.2620

Triad

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



49.2493, 0.2733, 0.2380



49.2493, 0.4318, 0.3935



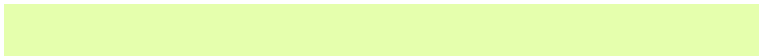
49.2493, 0.2338, 0.3537

Complementary

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



49.2493, 0.2733, 0.2380



91.1806, 0.3437, 0.4146

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.



49.2493, 0.2830, 0.4132



49.2493, 0.2733, 0.2380



49.2493, 0.3981, 0.4307

Square

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



49.2493, 0.2733, 0.2380



49.2493, 0.4317, 0.3467



49.2493, 0.3432, 0.4418



49.2493, 0.2067, 0.2926

Rectangle

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



49.2493, 0.2733, 0.2380



49.2493, 0.3762, 0.2863



49.2493, 0.3432, 0.4418



49.2493, 0.2481, 0.3753

Sweetspot

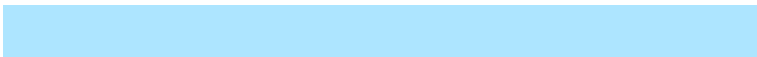
The Sweet Spot groups the original color and five complimentary colors.



49.2513, 0.2733, 0.2380



81.6440, 0.3023, 0.3034



72.1556, 0.2631, 0.2998



16.9640, 0.3007, 0.2996



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.



49.2513, 0.2733, 0.2380



41.4295, 0.2628, 0.2160



55.6213, 0.3046, 0.2459



17.6578, 0.3028, 0.3048



4.7572, 0.1722, 0.0722



0.5187, 0.1842, 0.0788

Inverse Universe

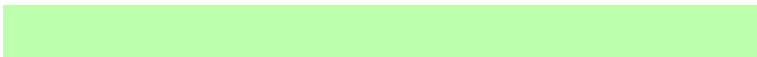
The Inverse Universe completely reimagines the original color for something new.



56.7961, 0.3373, 0.2725



50.2357, 0.3443, 0.2603



85.2270, 0.3172, 0.4222



18.1964, 0.3187, 0.3129



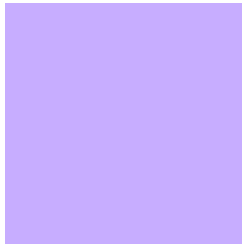
12.7336, 0.4216, 0.2096



1.2597, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 49.2493, 0.2733, 0.2380 looks on a white background.

Color Contrast Check

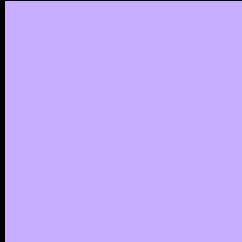
Large Text (above 18pt) WCAG AA × Fail

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 49.2493, 0.2733, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

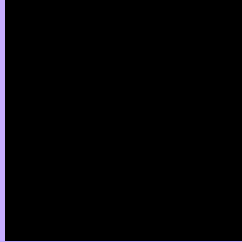
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2493, 0.2733, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 49.2493, 0.2733, 0.2380.



This preview shows how white text looks on a background with the Yxy color 49.2493, 0.2733, 0.2380.

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

49.2493, 0.2733, 0.2380

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.5883, 0.2538, 0.2477



Tritanopia

49.2233, 0.3053, 0.3103

Trichromacy



Original Color

49.2493, 0.2733, 0.2380

Protanomaly

49.2096, 0.2586, 0.2424

Deuteranomaly

49.3820, 0.2605, 0.2436

Tritanomaly

49.0944, 0.2937, 0.2822

Monochromacy



Original Color

49.2493, 0.2733, 0.2380

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.4735, 0.2974, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2493, 0.2733, 0.2380 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(199, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 173, 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(199, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2493, 0.2733, 0.2380 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(199, 173, 255) }
```

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

```
.border{ border-color:rgb(199, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2493, 0.2733, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 173, 255) }
```

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

```
.background{ background-color: rgb(199,  
173, 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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