

Converting Colors

$Y_{xy}(44.2003, 0.2846, 0.2427)$

Have a look what the booklet for
Yxy(44.2003, 0.2846, 0.2427)
contains.

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Color

Yxy(44.0972, 0.2848, 0.2426)

Conversions

Conversions Part 1

Format	Color
Hex	C7A2ED
RGB	199, 162, 237
RGB Percent	78%, 64%, 93%
CMY	0.2194, 0.3648, 0.0706
CMYK	0.16, 0.32, 0.00, 0.07
HSL	270°, 68%, 78%
HSV	270°, 32%, 93%
XYZ	51.7679, 44.0972, 85.9041
YIQ	181.6130, -2.0230, 31.1690

Conversions

Conversions Part 2

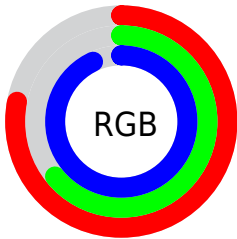
Format	Color
R _Y B	199, 162, 237
Decimal	13083373
CIE Lab	72.29, 27.75, -32.58
CIE LCh	72, 42.795, 310.431
Yxy	44.0972, 0.2848, 0.2426
Android (android.graphics.Color)	4291273453 (0xFFC7A2ED)
YUV	181.6130, 27.3058, 15.2484
Hunter-Lab	66.4057, 22.9431, -30.2150

Details

The Yxy color $44.0972, 0.2848, 0.2426$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.4490, 0.3337, 0.4155$, and the grayscale version is $46.4105, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $20.4173, 0.2758, 0.2216$ is the 20% darker color. If you saturate the color by 10%, you get $34.9455, 0.2733, 0.2126$, and if you desaturate by 10%, it is $54.9552, 0.2950, 0.2718$.

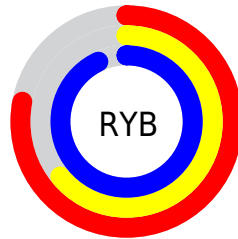
Distribution



Red (78%)

Green (64%)

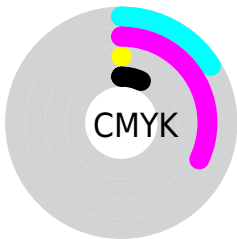
Blue (93%)



Red (78%)

Yellow (64%)

Blue (93%)

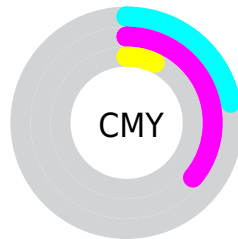


Cyan (16%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (22%)


Magenta (36%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0972, 0.2848, 0.2426 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 44.0972, 0.2848, 0.2426 by changing the saturation by 10% instead.

 44.0972, 0.2848,
0.2426

 44.0972, 0.2848,
0.2426

363.1048, 0.2995,
0.2833

 30.7469, 0.2810,
0.2332


 81.3640, 0.2902,
0.2568

 20.4062, 0.2761,
0.2217


 106.0493, 0.2923,
0.2623

 12.6907, 0.2695,
0.2071


135.2817, 0.2940,
0.2670

 7.2159, 0.2603,
0.1881

169.4457, 0.2954,
0.2711

 3.5975, 0.2467,
0.1628

208.9256, 0.2966,
0.2747

 1.4510, 0.2252,
0.1281

254.1058, 0.2977,

 0.2539, 0.1934,

0.2779

0.0533

305.3707, 0.2986,
0.2807

0.0000, 0.0000,
0.0000

44.0972, 0.2848,
0.2426

44.0972, 0.2848,
0.2426

34.9455, 0.2733,
0.2126

54.9552, 0.2950,
0.2718

27.4030, 0.2607,
0.1829

67.5986, 0.3039,
0.2994

21.3711, 0.2474,
0.1549

82.1080, 0.3116,
0.3250

16.7376, 0.2339,
0.1302

97.4111, 0.3181,
0.3466

13.3740, 0.2208,
0.1101

98.8945, 0.3232,
0.3464

■ 11.1263, 0.2087,
0.0956

■ 9.9018, 0.1996,
0.0873

Harmonies

Analogous

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



44.0972, 0.2362, 0.2340



44.0972, 0.2848, 0.2426



44.0972, 0.3464, 0.2694

Triad

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



44.0972, 0.2848, 0.2426



44.0972, 0.4257, 0.4009



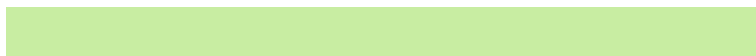
44.0972, 0.2280, 0.3410

Complementary

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



44.0972, 0.2848, 0.2426



75.4490, 0.3337, 0.4155

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.



44.0972, 0.2729, 0.4018



44.0972, 0.2848, 0.2426



44.0972, 0.3875, 0.4337

Square

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



44.0972, 0.2848, 0.2426



44.0972, 0.4325, 0.3557



44.0972, 0.3313, 0.4374



44.0972, 0.2061, 0.2836

Rectangle

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



44.0972, 0.2848, 0.2426



44.0972, 0.3859, 0.2949



44.0972, 0.3313, 0.4374



44.0972, 0.2408, 0.3623

Sweetspot

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



44.0990, 0.2848, 0.2426



84.0850, 0.3061, 0.3063



55.4490, 0.2621, 0.2849



17.4839, 0.3049, 0.3025



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.



44.0990, 0.2848, 0.2426



44.8251, 0.2775, 0.2231



49.7411, 0.3153, 0.2501



14.9143, 0.3057, 0.3052



5.4838, 0.2013, 0.0883



0.4878, 0.2163, 0.0965

Inverse Universe

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



48.0086, 0.3487, 0.2873



50.2593, 0.3589, 0.2786



70.9889, 0.3091, 0.4223



15.1812, 0.3214, 0.3171



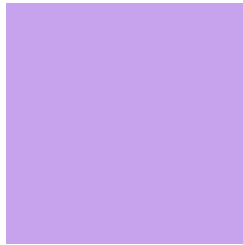
10.5957, 0.4931, 0.2490



0.8515, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 44.0972, 0.2848, 0.2426 looks on a white background.

Color Contrast Check

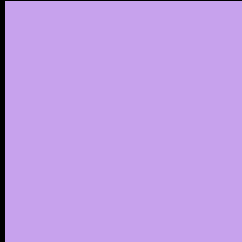
Large Text (above 18pt) WCAG AA × Fail

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 44.0972, 0.2848, 0.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

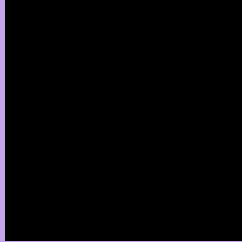
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0972, 0.2848, 0.2426

Background



This preview shows how black text looks on a background with the Yxy color 44.0972, 0.2848, 0.2426.



This preview shows how white text looks on a background with the Yxy color 44.0972, 0.2848, 0.2426.

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

44.0972, 0.2848, 0.2426

Protanopia

44.4433, 0.2485, 0.2410

Deuteranopia

44.3870, 0.2607, 0.2555



Tritanopia

44.1266, 0.3180, 0.3111

Trichromacy



Original Color

44.0972, 0.2848, 0.2426

Protanomaly

43.9912, 0.2609, 0.2413

Deuteranomaly

43.9777, 0.2688, 0.2501

Tritanomaly

43.8824, 0.3052, 0.2833

Monochromacy



Original Color

44.0972, 0.2848, 0.2426

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.6156, 0.3023, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0972, 0.2848, 0.2426 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, 162, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 162, 237)  
}
```

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, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 162, 237) }
```

Border

The CSS property to change the border of an element to Yxy 44.0972, 0.2848, 0.2426 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, 162, 237) }
```

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

```
.border{ border-color:rgb(199, 162, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 162,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0972, 0.2848, 0.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 162, 237) }
```

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

```
.background{ background-color: rgb(199,  
162, 237) }
```

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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