

Converting Colors

$Y_{xy}(44.7408, 0.2859, 0.2436)$

Have a look what the booklet for
Yxy(44.7408, 0.2859, 0.2436)
contains.

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Color

Yxy(44.7849, 0.2857, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	C9A3EE
RGB	201, 163, 238
RGB Percent	79%, 64%, 93%
CMY	0.2118, 0.3607, 0.0667
CMYK	0.16, 0.32, 0.00, 0.07
HSL	270°, 69%, 79%
HSV	270°, 32%, 93%
XYZ	52.6112, 44.7849, 86.7523
YIQ	182.9120, -1.4270, 31.3810

Conversions

Conversions Part 2

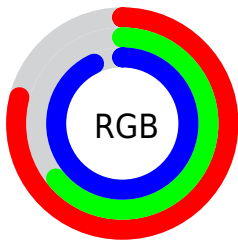
Format	Color
R _Y B	201, 163, 238
Decimal	13214702
CIE Lab	72.75, 27.99, -32.39
CIE LCh	73, 42.813, 310.830
Yxy	44.7849, 0.2857, 0.2432
Android (android.graphics.Color)	4291404782 (0xFFC9A3EE)
YUV	182.9120, 27.1584, 15.8632
Hunter-Lab	66.9215, 23.2174, -30.0143

Details

The Yxy color $44.7849, 0.2857, 0.2432$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76.0715, 0.3330, 0.4152$, and the grayscale version is $47.1523, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $20.8573, 0.2771, 0.2225$ is the 20% darker color. If you saturate the color by 10%, you get $35.5486, 0.2745, 0.2134$, and if you desaturate by 10%, it is $55.7397, 0.2956, 0.2723$.

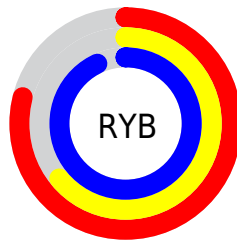
Distribution



Red (79%)

Green (64%)

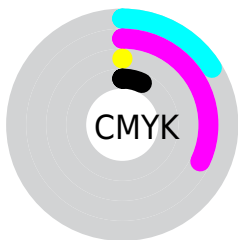
Blue (93%)



Red (79%)

Yellow (64%)

Blue (93%)

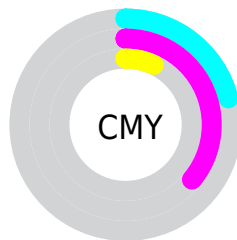


Cyan (16%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (21%)


Magenta (36%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7849, 0.2857, 0.2432 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 44.7849, 0.2857, 0.2432 by changing the saturation by 10% instead.


 44.7849, 0.2857,
0.2432

 44.7849, 0.2857,
0.2432


365.9017, 0.2999,
0.2835

 31.2880, 0.2820,
0.2339


 82.3975, 0.2910,
0.2572

 20.8183, 0.2773,
0.2225

 107.2821, 0.2929,
0.2627

 12.9912, 0.2709,
0.2081


136.7313, 0.2946,
0.2674

 7.4225, 0.2620,
0.1894

171.1297, 0.2959,
0.2714

 3.7277, 0.2489,
0.1645

210.8615, 0.2971,
0.2750

 1.5224, 0.2282,
0.1303

256.3112, 0.2982,

 0.3044, 0.1969,

0.2782

0.0612

307.8631, 0.2991,
0.2810

0.0000, 0.0000,
0.0000

44.7849, 0.2857,
0.2432

44.7849, 0.2857,
0.2432

35.5486, 0.2745,
0.2134

55.7397, 0.2956,
0.2723

27.9330, 0.2623,
0.1838

68.4924, 0.3043,
0.2998

21.8389, 0.2493,
0.1560

83.1244, 0.3117,
0.3254

17.1533, 0.2360,
0.1314

97.6439, 0.3182,
0.3456

13.7470, 0.2232,
0.1114

98.9525, 0.3226,
0.3454

■ 11.4651, 0.2112,
0.0970

■ 10.2018, 0.2020,
0.0887

Harmonies

Analogous

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



44.7849, 0.2371, 0.2343



44.7849, 0.2857, 0.2432



44.7849, 0.3471, 0.2701

Triad

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



44.7849, 0.2857, 0.2432



44.7849, 0.4249, 0.4012



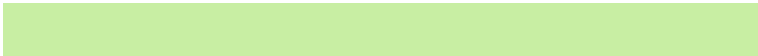
44.7849, 0.2280, 0.3401

Complementary

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



44.7849, 0.2857, 0.2432



76.0715, 0.3330, 0.4152

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.



44.7849, 0.2724, 0.4008



44.7849, 0.2857, 0.2432



44.7849, 0.3865, 0.4335

Square

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



44.7849, 0.2857, 0.2432



44.7849, 0.4321, 0.3563



44.7849, 0.3304, 0.4367



44.7849, 0.2064, 0.2832

Rectangle

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



44.7849, 0.2857, 0.2432



44.7849, 0.3863, 0.2957



44.7849, 0.3304, 0.4367



44.7849, 0.2405, 0.3613

Sweetspot

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



44.7867, 0.2857, 0.2432



84.1356, 0.3062, 0.3063



55.5024, 0.2622, 0.2836



17.4963, 0.3051, 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.



44.7867, 0.2857, 0.2432



44.9970, 0.2784, 0.2234



50.5477, 0.3164, 0.2507



15.6220, 0.3059, 0.3052



5.7693, 0.2036, 0.0895



0.5391, 0.2177, 0.0973

Inverse Universe

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



48.5466, 0.3494, 0.2885



50.2009, 0.3601, 0.2797



71.5766, 0.3083, 0.4221



15.8890, 0.3216, 0.3174



10.8901, 0.4985, 0.2520



0.9260, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 44.7849, 0.2857, 0.2432 looks on a white background.

Color Contrast Check

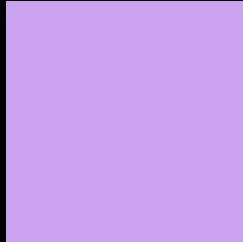
Large Text (above 18pt) WCAG AA × Fail

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 44.7849, 0.2857, 0.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

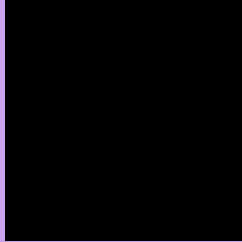
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7849, 0.2857, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 44.7849, 0.2857, 0.2432.



This preview shows how white text looks on a background with the Yxy color 44.7849, 0.2857, 0.2432.

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

44.7849, 0.2857, 0.2432

Protanopia

44.9961, 0.2488, 0.2414

Deuteranopia

45.0482, 0.2616, 0.2560



Tritanopia

44.8125, 0.3189, 0.3113

Trichromacy



Original Color

44.7849, 0.2857, 0.2432

Protanomaly

44.5417, 0.2611, 0.2417

Deuteranomaly

44.6469, 0.2698, 0.2506

Tritanomaly

44.5679, 0.3061, 0.2837

Monochromacy



Original Color

44.7849, 0.2857, 0.2432

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3096, 0.3032, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7849, 0.2857, 0.2432 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, 163, 238)` looks like.

```
.text, #text, p{  
    color:rgb(201, 163, 238)  
}
```

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, 163, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 163, 238) }
```

Border

The CSS property to change the border of an element to Yxy 44.7849, 0.2857, 0.2432 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, 163, 238) }
```

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

```
.border{ border-color:rgb(201, 163, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 163, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 163, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 163, 238); box-shadow:4px 4px 4px 4px rgb(201, 163, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7849, 0.2857, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 163, 238) }
```

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

```
.background{ background-color: rgb(201,  
163, 238) }
```

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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