

Converting Colors

$Y_{xy}(45.9861, 0.2794, 0.2475)$

Have a look what the booklet for
Yxy(45.9861, 0.2794, 0.2475)
contains.

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Color

Yxy(46.0773, 0.2798, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	C2A9EF
RGB	194, 169, 239
RGB Percent	76%, 66%, 94%
CMY	0.2393, 0.3372, 0.0629
CMYK	0.19, 0.29, 0.00, 0.06
HSL	261°, 69%, 80%
HSV	261°, 29%, 94%
XYZ	52.0066, 46.0773, 87.7866
YIQ	184.4550, -7.5700, 27.0700

Conversions

Conversions Part 2

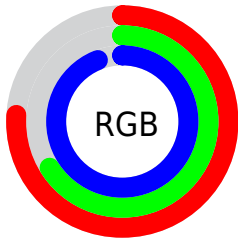
Format	Color
RYB	194, 169, 239
Decimal	12757487
CIELab	73.60, 22.77, -31.67
CIELCh	74, 39.005, 305.712
Yxy	46.0773, 0.2798, 0.2479
Android (android.graphics.Color)	4290947567 (0xFFC2A9EF)
YUV	184.4550, 26.8907, 8.3710
Hunter-Lab	67.8803, 17.9676, -29.1610

Details

The Yxy color $46.0773, 0.2798, 0.2479$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $78.8759, 0.3391, 0.4067$, and the grayscale version is $48.0484, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.0405, 0.3114, 0.2987$, and $21.6304, 0.2695, 0.2281$ is the 20% darker color. If you saturate the color by 10%, you get $36.0549, 0.2655, 0.2165$, and if you desaturate by 10%, it is $57.9386, 0.2926, 0.2778$.

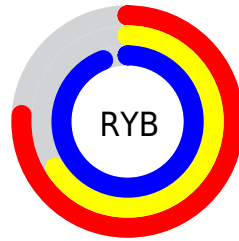
Distribution



Red (76%)

Green (66%)

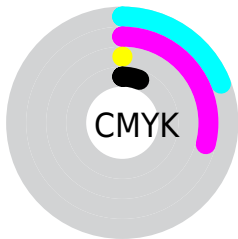
Blue (94%)



Red (76%)

Yellow (66%)

Blue (94%)

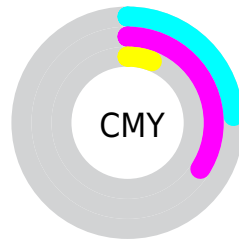


Cyan (19%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (24%)


Magenta (34%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0773, 0.2798, 0.2479 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 46.0773, 0.2798, 0.2479 by changing the saturation by 10% instead.


 46.0773, 0.2798,
0.2479

 46.0773, 0.2798,
0.2479


371.1193, 0.2967,
0.2861

 32.3068, 0.2756,
0.2391


 84.3347, 0.2860,
0.2612

 21.5960, 0.2701,
0.2282


 109.5904, 0.2883,
0.2664

 13.5603, 0.2629,
0.2144


139.4432, 0.2902,
0.2709

 7.8155, 0.2530,
0.1965

174.2777, 0.2919,
0.2747

 3.9771, 0.2386,
0.1724

214.4782, 0.2933,
0.2781

 1.6608, 0.2163,
0.1391

260.4290, 0.2946,

 0.3981, 0.1820,

0.2811

0.0773

312.5146, 0.2957,
0.2837

0.0000, 0.0000,
0.0000

46.0773, 0.2798,
0.2479

46.0773, 0.2798,
0.2479

36.0549, 0.2655,
0.2165

57.9386, 0.2926,
0.2778

27.7710, 0.2500,
0.1847

71.7212, 0.3037,
0.3055

21.1235, 0.2337,
0.1539

87.5091, 0.3134,
0.3308

15.9974, 0.2174,
0.1261

99.0100, 0.3221,
0.3444

12.2620, 0.2020,
0.1030

■ 9.7630, 0.1884,
0.0860

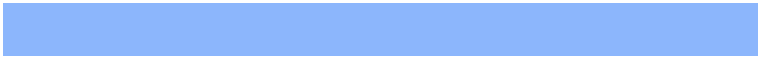
■ 8.2642, 0.1771,
0.0752

■ 8.1733, 0.1763,
0.0745

Harmonies

Analogous

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



46.0773, 0.2382, 0.2432



46.0773, 0.2798, 0.2479



46.0773, 0.3343, 0.2701

Triad

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



46.0773, 0.2798, 0.2479



46.0773, 0.4178, 0.3890



46.0773, 0.2415, 0.3491

Complementary

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



46.0773, 0.2798, 0.2479



78.8759, 0.3391, 0.4067

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.



46.0773, 0.2851, 0.4008



46.0773, 0.2798, 0.2479



46.0773, 0.3876, 0.4203

Square

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



46.0773, 0.2798, 0.2479



46.0773, 0.4182, 0.3474



46.0773, 0.3386, 0.4275



46.0773, 0.2175, 0.2959

Rectangle

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



46.0773, 0.2798, 0.2479



46.0773, 0.3707, 0.2925



46.0773, 0.3386, 0.4275



46.0773, 0.2542, 0.3677

Sweetspot

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



46.0792, 0.2798, 0.2479



83.5283, 0.3040, 0.3062



63.0059, 0.2673, 0.3001



17.3471, 0.3025, 0.3023



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.



46.0792, 0.2798, 0.2479



46.3520, 0.2716, 0.2296



51.1848, 0.3075, 0.2542



15.5031, 0.3035, 0.3050



4.5850, 0.1779, 0.0753



0.4354, 0.1923, 0.0833

Inverse Universe

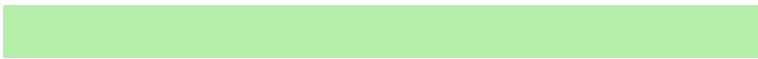
The Inverse Universe completely reimagines the original color for something new.



51.5836, 0.3368, 0.2806



53.7779, 0.3432, 0.2707



74.2229, 0.3154, 0.4127



15.9301, 0.3193, 0.3139



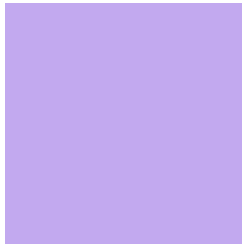
11.4513, 0.4365, 0.2178



0.9715, 0.4173, 0.2072

Previews

White Background



This preview shows how the Yxy color 46.0773, 0.2798, 0.2479 looks on a white background.

Color Contrast Check

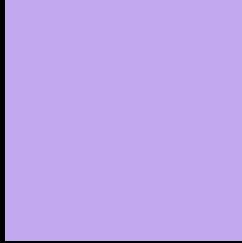
Large Text (above 18pt) WCAG AA × Fail

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 46.0773, 0.2798, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

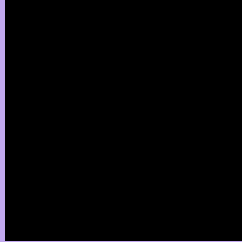
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0773, 0.2798, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 46.0773, 0.2798, 0.2479.

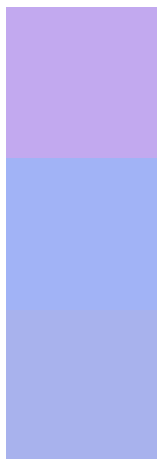


This preview shows how white text looks on a background with the Yxy color 46.0773, 0.2798, 0.2479.

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

46.0773, 0.2798, 0.2479

Protanopia

46.4711, 0.2530, 0.2477

Deuteranopia

46.2800, 0.2628, 0.2568



Tritanopia

46.0857, 0.3084, 0.3111

Trichromacy



Original Color

46.0773, 0.2798, 0.2479

Protanomaly

46.0152, 0.2622, 0.2476

Deuteranomaly

46.1801, 0.2682, 0.2533

Tritanomaly

46.0822, 0.2978, 0.2869

Monochromacy



Original Color

46.0773, 0.2798, 0.2479

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2912, 0.3008, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0773, 0.2798, 0.2479 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(194, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(194, 169, 239)  
}
```

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(194, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 169, 239) }
```

Border

The CSS property to change the border of an element to Yxy 46.0773, 0.2798, 0.2479 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(194, 169, 239) }
```

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

```
.border{ border-color:rgb(194, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(194, 169,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0773, 0.2798, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 169, 239) }
```

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

```
.background{ background-color: rgb(194,  
169, 239) }
```

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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