

Converting Colors

Yxy(50.8435, 0.2633, 0.2165)

Have a look what the booklet for
Yxy(50.8435, 0.2633, 0.2165)
contains.

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Color

Yxy(49.3250, 0.2776, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	CDABFF
RGB	205, 171, 255
RGB Percent	80%, 67%, 100%
CMY	0.1959, 0.3295, 0.0000
CMYK	0.20, 0.33, 0.00, 0.00
HSL	264°, 100%, 84%
HSV	264°, 33%, 100%
XYZ	57.7992, 49.3250, 101.0861
YIQ	190.7420, -6.7000, 33.3320

Conversions

Conversions Part 2

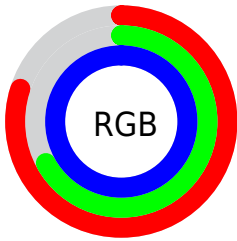
Format	Color
RYB	205, 171, 255
Decimal	13478911
CIELab	75.65, 28.55, -37.08
CIELCh	76, 46.803, 307.593
Yxy	49.3250, 0.2776, 0.2369
Android (android.graphics.Color)	4291668991 (0xFFCDABFF)
YUV	190.7420, 31.6792, 12.5043
Hunter-Lab	70.2318, 23.9959, -36.1751

Details

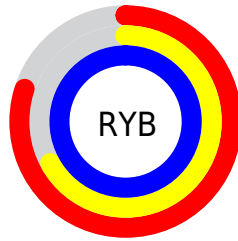
The Yxy color $49.3250, 0.2776, 0.2369$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $89.8228, 0.3395, 0.4183$, and the grayscale version is $51.7624, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $23.4236, 0.2669, 0.2151$ is the 20% darker color. If you saturate the color by 10%, you get $38.5521, 0.2638, 0.2057$, and if you desaturate by 10%, it is $62.1682, 0.2900, 0.2672$.

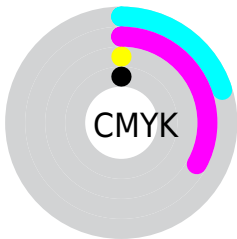
Distribution



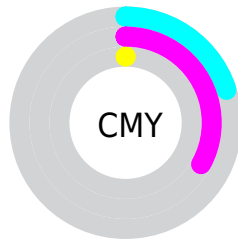
- Red (80%)
- Green (67%)
- Blue (100%)



- Red (80%)
- Yellow (67%)
- Blue (100%)



- Cyan (20%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3250, 0.2776, 0.2369 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 49.3250, 0.2776, 0.2369 by changing the saturation by 10% instead.


 49.3250, 0.2776,
0.2369

 49.3250, 0.2776,
0.2369


384.0204, 0.2955,
0.2792

 34.8774, 0.2732,
0.2274


 89.1740, 0.2841,
0.2514

 23.5684, 0.2675,
0.2159


115.3441, 0.2865,
0.2571

 15.0138, 0.2601,
0.2015


146.1905, 0.2886,
0.2621

 8.8291, 0.2500,
0.1832

182.0975, 0.2904,
0.2664

 4.6299, 0.2358,
0.1593

223.4496, 0.2919,
0.2702

 2.0318, 0.2144,
0.1276

270.6312, 0.2933,

 0.6258, 0.1809,

0.2735

0.0822

324.0267, 0.2944,
0.2765

0.0000, 0.0861,
0.0000

0.0000, 0.0000,
0.0000

49.3250, 0.2776,
0.2369

49.3250, 0.2776,
0.2369

38.5521, 0.2638,
0.2057

62.1682, 0.2900,
0.2672

29.7316, 0.2490,
0.1747

77.1811, 0.3009,
0.2956

22.7405, 0.2335,
0.1455

94.4625, 0.3102,
0.3218

17.4397, 0.2182,
0.1199

100.0000, 0.3127,
0.3290

■ 13.6688, 0.2038,
0.0994

■ 11.2344, 0.1912,
0.0852

■ 10.1258, 0.1834,
0.0784

Harmonies

Analogous

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



49.3250, 0.2288, 0.2297



49.3250, 0.2776, 0.2369



49.3250, 0.3417, 0.2632

Triad

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



49.3250, 0.2776, 0.2369



49.3250, 0.4337, 0.3997



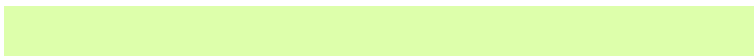
49.3250, 0.2273, 0.3478

Complementary

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



49.3250, 0.2776, 0.2369



89.8228, 0.3395, 0.4183

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.



49.3250, 0.2760, 0.4113



49.3250, 0.2776, 0.2369



49.3250, 0.3958, 0.4366

Square

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



49.3250, 0.2776, 0.2369



49.3250, 0.4376, 0.3518



49.3250, 0.3378, 0.4450



49.3250, 0.2021, 0.2858

Rectangle

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



49.3250, 0.2776, 0.2369



49.3250, 0.3843, 0.2891



49.3250, 0.3378, 0.4450



49.3250, 0.2412, 0.3704

Sweetspot

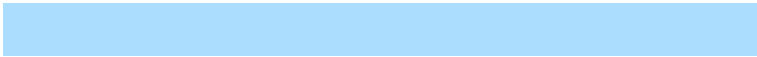
The Sweet Spot groups the original color and five complimentary colors.



49.3266, 0.2776, 0.2369



82.0326, 0.3038, 0.3036



67.7982, 0.2609, 0.2909



17.0577, 0.3024, 0.2998



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.



49.3266, 0.2776, 0.2369



41.5182, 0.2680, 0.2149



56.0423, 0.3099, 0.2452



17.7372, 0.3042, 0.3049



5.3726, 0.1851, 0.0793



0.5849, 0.1977, 0.0863

Inverse Universe

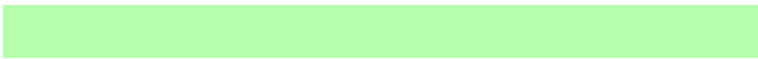
The Inverse Universe completely reimagines the original color for something new.



55.5984, 0.3444, 0.2781



48.8796, 0.3537, 0.2671



84.0899, 0.3131, 0.4260



18.1684, 0.3201, 0.3150



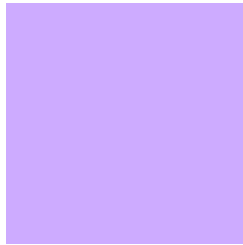
12.3173, 0.4566, 0.2289



1.2210, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 49.3250, 0.2776, 0.2369 looks on a white background.

Color Contrast Check

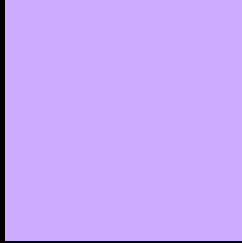
Large Text (above 18pt) WCAG AA × Fail

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 49.3250, 0.2776, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

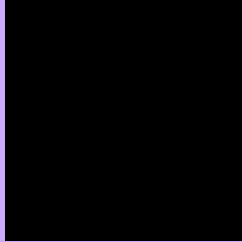
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3250, 0.2776, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 49.3250, 0.2776, 0.2369.



This preview shows how white text looks on a background with the Yxy color 49.3250, 0.2776, 0.2369.

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

49.3250, 0.2776, 0.2369

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.6341, 0.2549, 0.2488



Tritanopia

49.5003, 0.3118, 0.3117

Trichromacy



Original Color

49.3250, 0.2776, 0.2369

Protanomaly

49.1635, 0.2605, 0.2416

Deuteranomaly

49.1558, 0.2623, 0.2437

Tritanomaly

49.4443, 0.2992, 0.2827

Monochromacy



Original Color

49.3250, 0.2776, 0.2369

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.8718, 0.2998, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3250, 0.2776, 0.2369 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(205, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 171, 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(205, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.3250, 0.2776, 0.2369 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(205, 171, 255) }
```

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

```
.border{ border-color:rgb(205, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3250, 0.2776, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 171, 255) }
```

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

```
.background{ background-color: rgb(205,  
171, 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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