

Converting Colors

Yxy(56.4400, 0.2386, 0.1750)

Have a look what the booklet for
Yxy(56.4400, 0.2386, 0.1750)
contains.

Yxy(49.8242, 0.2858, 0.2359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8242, 0.2858, 0.2359)

Conversions

Conversions Part 1

Format	Color
Hex	D8A8FF
RGB	216, 168, 255
RGB Percent	85%, 66%, 100%
CMY	0.1530, 0.3411, 0.0001
CMYK	0.15, 0.34, 0.00, 0.00
HSL	273°, 100%, 83%
HSV	273°, 34%, 100%
XYZ	60.3635, 49.8242, 101.0213
YIQ	192.2700, 0.6810, 37.2330

Conversions

Conversions Part 2

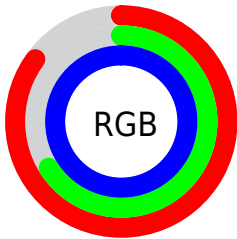
Format	Color
R _Y B	216, 168, 255
Decimal	14199039
CIE Lab	75.96, 33.40, -36.51
CIE LCh	76, 49.483, 312.450
Yxy	49.8242, 0.2858, 0.2359
Android (android.graphics.Color)	4292389119 (0xFFD8A8FF)
YUV	192.2700, 30.9259, 20.8112
Hunter-Lab	70.5863, 29.1226, -35.4440

Details

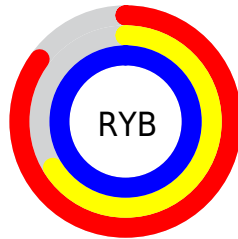
The Yxy color **49.8242, 0.2858, 0.2359** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.5988, 0.3320, 0.4242**, and the grayscale version is **52.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **23.8123, 0.2776, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **39.6344, 0.2753, 0.2065**, and if you desaturate by 10%, it is **61.9849, 0.2951, 0.2650**.

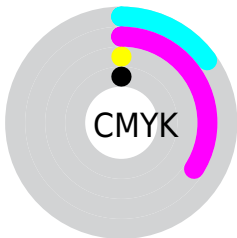
Distribution



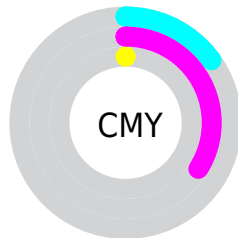
- Red (85%)
- Green (66%)
- Blue (100%)



- Red (85%)
- Yellow (66%)
- Blue (100%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8242, 0.2858, 0.2359 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 49.8242, 0.2858, 0.2359 by changing the saturation by 10% instead.

 49.8242, 0.2858,
0.2359


 49.8242, 0.2858,
0.2359


385.9781, 0.2999,
0.2784

 35.2737, 0.2822,
0.2265


 89.9143, 0.2910,
0.2505

 23.8738, 0.2776,
0.2149


 116.2228, 0.2929,
0.2562

 15.2400, 0.2716,
0.2007


147.2194, 0.2945,
0.2611

 8.9880, 0.2632,
0.1825

183.2885, 0.2959,
0.2655

 4.7334, 0.2512,
0.1590

224.8146, 0.2971,
0.2693

 2.0917, 0.2329,
0.1278

272.1819, 0.2981,

 0.6599, 0.2032,

0.2726

0.0840

325.7749, 0.2991,
0.2757

0.0000, 0.1333,
0.0000

0.0000, 0.0000,
0.0000

49.8242, 0.2858,
0.2359

49.8242, 0.2858,
0.2359

39.6344, 0.2753,
0.2065

61.9849, 0.2951,
0.2650

31.2987, 0.2639,
0.1779

76.2124, 0.3032,
0.2928

24.6969, 0.2519,
0.1516

92.6034, 0.3102,
0.3189

19.6916, 0.2397,
0.1289

99.9984, 0.3127,
0.3290

■ 16.1238, 0.2279,
0.1111

■ 13.7991, 0.2169,
0.0987

■ 12.8494, 0.2109,
0.0935

Harmonies

Analogous

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



49.8242, 0.2314, 0.2248



49.8242, 0.2858, 0.2359



49.8242, 0.3544, 0.2661

Triad

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



49.8242, 0.2858, 0.2359



49.8242, 0.4353, 0.4100



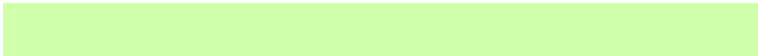
49.8242, 0.2169, 0.3370

Complementary

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



49.8242, 0.2858, 0.2359



87.5988, 0.3320, 0.4242

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.



49.8242, 0.2642, 0.4066



49.8242, 0.2858, 0.2359



49.8242, 0.3907, 0.4461

Square

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



49.8242, 0.2858, 0.2359



49.8242, 0.4464, 0.3605



49.8242, 0.3278, 0.4491



49.8242, 0.1952, 0.2745

Rectangle

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



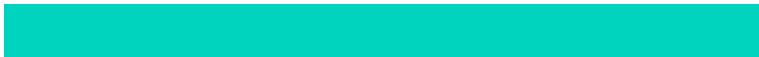
49.8242, 0.2858, 0.2359



49.8242, 0.3980, 0.2943



49.8242, 0.3278, 0.4491



49.8242, 0.2301, 0.3610

Sweetspot

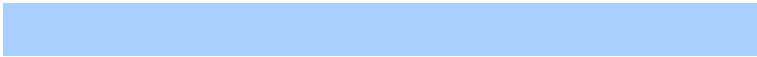
The Sweet Spot groups the original color and five complimentary colors.



49.8263, 0.2858, 0.2359



82.6911, 0.3062, 0.3038



60.2428, 0.2570, 0.2738



17.2168, 0.3052, 0.3000



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.



49.8263, 0.2858, 0.2359



42.6035, 0.2787, 0.2156



56.2086, 0.3201, 0.2479



17.8716, 0.3066, 0.3051



6.8056, 0.2125, 0.0944



0.7275, 0.2242, 0.1009

Inverse Universe

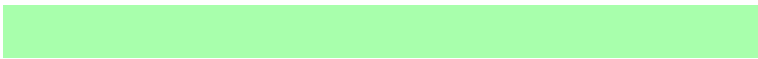
The Inverse Universe completely reimagines the original color for something new.



53.7726, 0.3572, 0.2888



47.2631, 0.3700, 0.2806



82.8234, 0.3057, 0.4263



18.1225, 0.3223, 0.3184



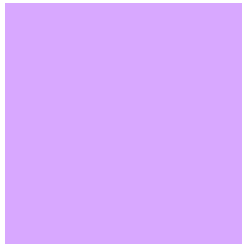
11.7768, 0.5183, 0.2629



1.1683, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 49.8242, 0.2858, 0.2359 looks on a white background.

Color Contrast Check

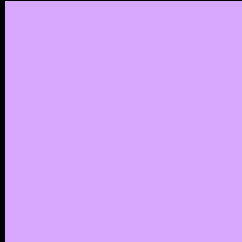
Large Text (above 18pt) WCAG AA × Fail

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 49.8242, 0.2858, 0.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

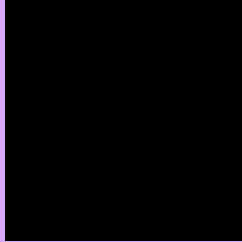
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8242, 0.2858, 0.2359

Background



This preview shows how black text looks on a background with the Yxy color 49.8242, 0.2858, 0.2359.



This preview shows how white text looks on a background with the Yxy color 49.8242, 0.2858, 0.2359.

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

49.8242, 0.2858, 0.2359

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.2722, 0.2564, 0.2503



Tritanopia

49.6594, 0.3238, 0.3122

Trichromacy



Original Color

49.8242, 0.2858, 0.2359



Protanomaly

49.6505, 0.2632, 0.2423



Deuteranomaly

49.8968, 0.2665, 0.2447

Tritanomaly

49.7102, 0.3098, 0.2826

Monochromacy



Original Color

49.8242, 0.2858, 0.2359



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.1908, 0.3030, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8242, 0.2858, 0.2359 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(216, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 168, 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(216, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.8242, 0.2858, 0.2359 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(216, 168, 255) }
```

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

```
.border{ border-color:rgb(216, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8242, 0.2858, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 168, 255) }
```

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

```
.background{ background-color: rgb(216,  
168, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor