

Converting Colors

$Y_{xy}(49.8867, 0.2775, 0.2330)$

Have a look what the booklet for
Yxy(49.8867, 0.2775, 0.2330)
contains.

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Color

Yxy(49.5248, 0.2805, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	D1AAFF
RGB	209, 170, 255
RGB Percent	82%, 67%, 100%
CMY	0.1805, 0.3333, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	268°, 100%, 83%
HSV	268°, 33%, 100%
XYZ	58.7139, 49.5248, 101.0800
YIQ	191.3510, -4.0410, 34.7030

Conversions

Conversions Part 2

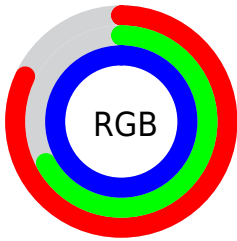
Format	Color
R _Y B	209, 170, 255
Decimal	13740799
CIE Lab	75.78, 30.24, -36.87
CIE LCh	76, 47.685, 309.362
Yxy	49.5248, 0.2805, 0.2366
Android (android.graphics.Color)	4291930879 (0xFFD1AAFF)
YUV	191.3510, 31.3790, 15.4782
Hunter-Lab	70.3739, 25.7708, -35.8982

Details

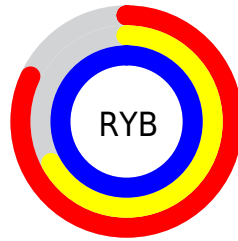
The Yxy color **49.5248, 0.2805, 0.2366** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.0284, 0.3368, 0.4203**, and the grayscale version is **52.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **23.5721, 0.2707, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **38.9464, 0.2679, 0.2060**, and if you desaturate by 10%, it is **62.1348, 0.2918, 0.2665**.

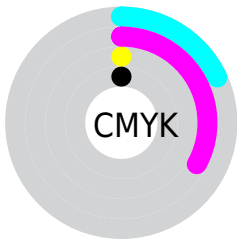
Distribution



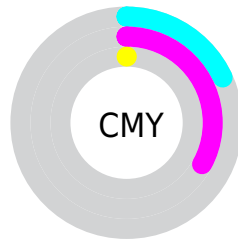
- Red (82%)
- Green (67%)
- Blue (100%)



- Red (82%)
- Yellow (67%)
- Blue (100%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5248, 0.2805, 0.2366 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 49.5248, 0.2805, 0.2366 by changing the saturation by 10% instead.

 49.5248, 0.2805,
0.2366

 49.5248, 0.2805,
0.2366


384.8047, 0.2970,
0.2789

 35.0360, 0.2764,
0.2271


 89.4704, 0.2865,
0.2511

 23.6906, 0.2711,
0.2156

115.6960, 0.2888,
0.2568

 15.1043, 0.2642,
0.2013


146.6025, 0.2907,
0.2618

 8.8926, 0.2547,
0.1830

182.5745, 0.2923,
0.2661

 4.6712, 0.2412,
0.1593

223.9964, 0.2938,
0.2699

 2.0557, 0.2209,
0.1278

271.2524, 0.2950,

 0.6395, 0.1887,

0.2732

0.0830

324.7271, 0.2961,
0.2762

0.0000, 0.1036,
0.0000

0.0000, 0.0000,
0.0000

49.5248, 0.2805,
0.2366

49.5248, 0.2805,
0.2366

38.9464, 0.2679,
0.2060

62.1348, 0.2918,
0.2665

30.2833, 0.2543,
0.1758

76.8754, 0.3017,
0.2947

23.4137, 0.2400,
0.1476

93.8439, 0.3102,
0.3208

18.1994, 0.2257,
0.1230

100.0000, 0.3127,
0.3290

■ 14.4809, 0.2121,
0.1034

■ 12.0650, 0.1998,
0.0897

■ 10.9943, 0.1926,
0.0834

Harmonies

Analogous

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



49.5248, 0.2298, 0.2281



49.5248, 0.2805, 0.2366



49.5248, 0.3462, 0.2643

Triad

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



49.5248, 0.2805, 0.2366



49.5248, 0.4342, 0.4033



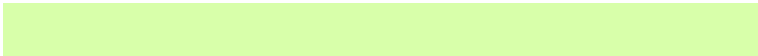
49.5248, 0.2236, 0.3440

Complementary

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



49.5248, 0.2805, 0.2366



89.0284, 0.3368, 0.4203

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.



49.5248, 0.2719, 0.4096



49.5248, 0.2805, 0.2366



49.5248, 0.3940, 0.4399

Square

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



49.5248, 0.2805, 0.2366



49.5248, 0.4406, 0.3549



49.5248, 0.3342, 0.4464



49.5248, 0.1997, 0.2818

Rectangle

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



49.5248, 0.2805, 0.2366



49.5248, 0.3891, 0.2909



49.5248, 0.3342, 0.4464



49.5248, 0.2373, 0.3670

Sweetspot

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



49.5262, 0.2805, 0.2366



82.2698, 0.3047, 0.3036



65.2681, 0.2596, 0.2854



17.1150, 0.3034, 0.2999



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.



49.5262, 0.2805, 0.2366



42.2483, 0.2722, 0.2162



56.4380, 0.3132, 0.2451



17.7856, 0.3051, 0.3049



5.8312, 0.1943, 0.0844



0.6318, 0.2068, 0.0913

Inverse Universe

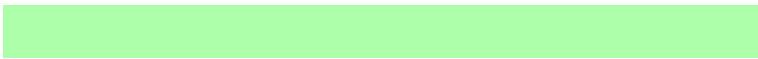
The Inverse Universe completely reimagines the original color for something new.



54.9751, 0.3488, 0.2819



48.6085, 0.3588, 0.2723



83.4519, 0.3105, 0.4281



18.1517, 0.3209, 0.3162



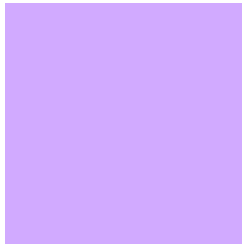
12.0998, 0.4788, 0.2411



1.2002, 0.4558, 0.2284

Previews

White Background



This preview shows how the Yxy color 49.5248, 0.2805, 0.2366 looks on a white background.

Color Contrast Check

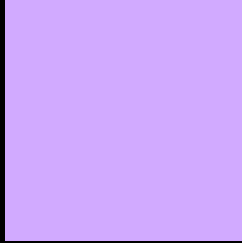
Large Text (above 18pt) WCAG AA × Fail

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 49.5248, 0.2805, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

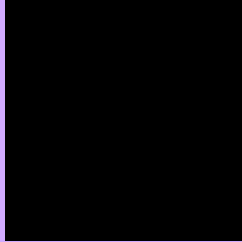
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5248, 0.2805, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 49.5248, 0.2805, 0.2366.



This preview shows how white text looks on a background with the Yxy color 49.5248, 0.2805, 0.2366.

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

49.5248, 0.2805, 0.2366

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.6341, 0.2549, 0.2488



Tritanopia

49.5835, 0.3161, 0.3119

Trichromacy



Original Color

49.5248, 0.2805, 0.2366

Protanomaly

49.8076, 0.2619, 0.2431

Deuteranomaly

49.3993, 0.2637, 0.2440

Tritanomaly

49.5471, 0.3032, 0.2831

Monochromacy



Original Color

49.5248, 0.2805, 0.2366

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.7278, 0.3014, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5248, 0.2805, 0.2366 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(209, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 170, 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(209, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.5248, 0.2805, 0.2366 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(209, 170, 255) }
```

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

```
.border{ border-color:rgb(209, 170, 255) }
```

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

Here you see how a box with a 4 pixel rgb(209, 170, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5248, 0.2805, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 170, 255) }
```

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

```
.background{ background-color: rgb(209,  
170, 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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