

# Converting Colors

Yxy(48.9434, 0.2807, 0.2348)

Have a look what the booklet for  
Yxy(48.9434, 0.2807, 0.2348)  
contains.

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# Color

**Yxy(48.7806, 0.2804, 0.2344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A8FF
RGB	209, 168, 255
RGB Percent	82%, 66%, 100%
CMY	0.1803, 0.3412, 0.0000
CMYK	0.18, 0.34, 0.00, 0.00
HSL	268°, 100%, 83%
HSV	268°, 34%, 100%
XYZ	58.3536, 48.7806, 100.9742
YIQ	190.1770, -3.4910, 35.7490

# Conversions

## Conversions Part 2

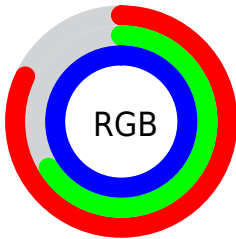
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 168, 255
Decimal	13740287
CIE Lab	75.31, 31.36, -37.60
CIE LCh	75, 48.959, 309.833
Yxy	48.7806, 0.2804, 0.2344
Android (android.graphics.Color)	4291930367 (0xFFD1A8FF)
YUV	190.1770, 31.9577, 16.5078
Hunter-Lab	69.8431, 26.9105, -36.8271

# Details

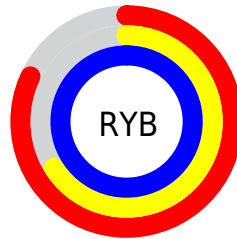
The Yxy color **48.7806, 0.2804, 0.2344** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.6401, 0.3366, 0.4228**, and the grayscale version is **51.4136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **23.1110, 0.2705, 0.2122** is the 20% darker color. If you saturate the color by 10%, you get **38.3871, 0.2680, 0.2040**, and if you desaturate by 10%, it is **61.1862, 0.2915, 0.2642**.

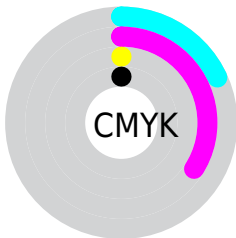
# Distribution



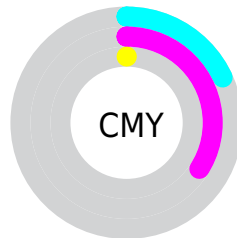
- Red (82%)
- Green (66%)
- Blue (100%)



- Red (82%)
- Yellow (66%)
- Blue (100%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (34%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7806, 0.2804, 0.2344 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 48.7806, 0.2804, 0.2344 by changing the saturation by 10% instead.




 48.7806, 0.2804,  
0.2344


 48.7806, 0.2804,  
0.2344


381.8780, 0.2971,  
0.2778

 34.4455, 0.2762,  
0.2247


 88.3655, 0.2865,  
0.2493

 23.2360, 0.2709,  
0.2129


 114.3841, 0.2888,  
0.2551

 14.7679, 0.2638,  
0.1983


145.0659, 0.2907,  
0.2602

 8.6566, 0.2542,  
0.1797

180.7954, 0.2923,  
0.2646

 4.5179, 0.2405,  
0.1555

221.9570, 0.2938,  
0.2685

 1.9673, 0.2198,  
0.1236

268.9350, 0.2950,

 0.5884, 0.1871,

0.2719

0.0774

322.1138, 0.2961,  
0.2750

0.0000, 0.0971,  
0.0000

0.0000, 0.0000,  
0.0000

48.7806, 0.2804,  
0.2344

48.7806, 0.2804,  
0.2344

38.3871, 0.2680,  
0.2040

61.1862, 0.2915,  
0.2642

29.8935, 0.2546,  
0.1741

75.7077, 0.3013,  
0.2926

23.1757, 0.2406,  
0.1464

92.4413, 0.3096,  
0.3188

18.0945, 0.2266,  
0.1223

100.0000, 0.3127,  
0.3290

■ 14.4888, 0.2133,  
0.1033

■ 12.1621, 0.2013,  
0.0902

■ 11.2290, 0.1950,  
0.0848

# Harmonies

## Analogous

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



48.7806, 0.2280, 0.2252



48.7806, 0.2804, 0.2344



48.7806, 0.3482, 0.2630

# Triad

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



48.7806, 0.2804, 0.2344



48.7806, 0.4374, 0.4057



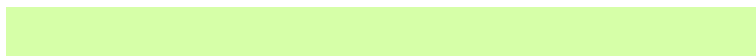
48.7806, 0.2204, 0.3432

# Complementary

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



48.7806, 0.2804, 0.2344



88.6401, 0.3366, 0.4228

# 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.



48.7806, 0.2695, 0.4116



48.7806, 0.2804, 0.2344



48.7806, 0.3953, 0.4436

# Square

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



48.7806, 0.2804, 0.2344



48.7806, 0.4449, 0.3560



48.7806, 0.3336, 0.4502



48.7806, 0.1964, 0.2793



# Rectangle

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



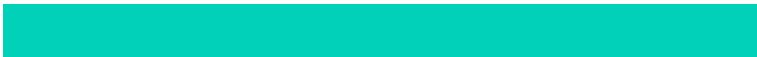
48.7806, 0.2804, 0.2344



48.7806, 0.3924, 0.2905



48.7806, 0.3336, 0.4502



48.7806, 0.2342, 0.3671

# Sweetspot

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



48.7805, 0.2804, 0.2344



82.3285, 0.3049, 0.3036



63.8387, 0.2581, 0.2824



17.1292, 0.3037, 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.



48.7805, 0.2804, 0.2344



41.4204, 0.2720, 0.2135



55.9372, 0.3144, 0.2435



17.7976, 0.3053, 0.3050



5.9546, 0.1967, 0.0857



0.6442, 0.2091, 0.0925



# Inverse Universe

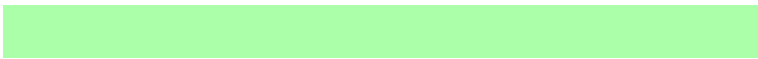
The Inverse Universe completely reimagines the original color for something new.



54.1172, 0.3509, 0.2819



47.6587, 0.3617, 0.2723



82.9930, 0.3096, 0.4311



18.1475, 0.3211, 0.3165



12.0500, 0.4843, 0.2442

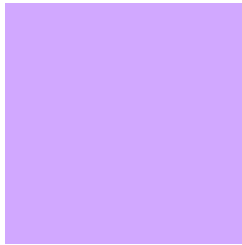


1.1954, 0.4605, 0.2311



# Previews

## White Background



This preview shows how the Yxy color 48.7806, 0.2804, 0.2344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

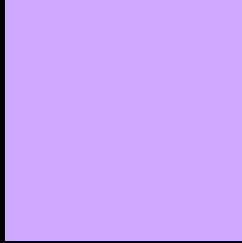
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7806, 0.2804, 0.2344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

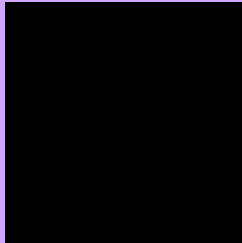
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7806, 0.2804, 0.2344**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7806, 0.2804, 0.2344.



This preview shows how white text looks on a background with the Yxy color 48.7806, 0.2804, 0.2344.

# 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

48.7806, 0.2804, 0.2344

### Protanopia

48.9795, 0.2506, 0.2441

### Deuteranopia

49.0022, 0.2535, 0.2473



## Tritanopia

48.6797, 0.3178, 0.3118

# Trichromacy



**Original Color**

48.7806, 0.2804, 0.2344

**Protanomaly**

48.7641, 0.2603, 0.2405

**Deuteranomaly**

48.8777, 0.2629, 0.2427

**Tritanomaly**

48.7050, 0.3040, 0.2818

# Monochromacy



**Original Color**

48.7806, 0.2804, 0.2344

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

50.1813, 0.3006, 0.2907

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7806, 0.2804, 0.2344 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, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 168, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7806, 0.2804, 0.2344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

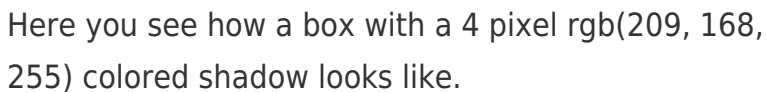
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 168, 255) }
```

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

```
.border{ border-color:rgb(209, 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(209, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 168,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7806, 0.2804, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 168, 255) }
```

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

```
.background{ background-color: rgb(209,  
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](#).

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