

Converting Colors

$Y_{xy}(49.0983, 0.2730, 0.2278)$

Have a look what the booklet for
Yxy(49.0983, 0.2730, 0.2278)
contains.

Yxy(48.7177, 0.2782, 0.2349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7177, 0.2782, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	CEA9FF
RGB	206, 169, 255
RGB Percent	81%, 66%, 100%
CMY	0.1921, 0.3373, 0.0000
CMYK	0.19, 0.34, 0.00, 0.00
HSL	266°, 100%, 83%
HSV	266°, 34%, 100%
XYZ	57.6980, 48.7177, 100.9819
YIQ	189.8670, -5.5540, 34.5900

Conversions

Conversions Part 2

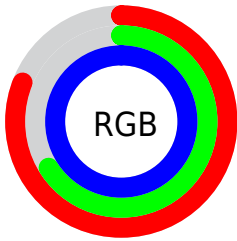
Format	Color
R _Y B	206, 169, 255
Decimal	13543935
CIE Lab	75.28, 29.93, -37.67
CIE LCh	75, 48.114, 308.471
Yxy	48.7177, 0.2782, 0.2349
Android (android.graphics.Color)	4291734015 (0xFFCEA9FF)
YUV	189.8670, 32.1106, 14.1486
Hunter-Lab	69.7981, 25.4090, -36.9205

Details

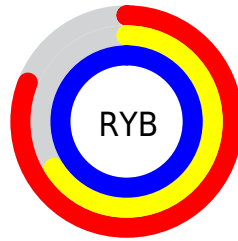
The Yxy color **48.7177, 0.2782, 0.2349** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.2847, 0.3387, 0.4210**, and the grayscale version is **51.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **23.0520, 0.2676, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **38.1552, 0.2649, 0.2040**, and if you desaturate by 10%, it is **61.3243, 0.2902, 0.2651**.

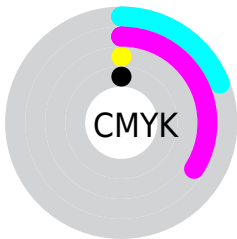
Distribution



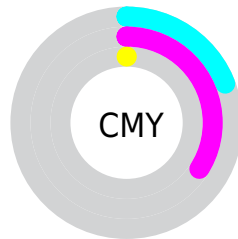
- Red (81%)
- Green (66%)
- Blue (100%)



- Red (81%)
- Yellow (66%)
- Blue (100%)



- Cyan (19%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7177, 0.2782, 0.2349 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 48.7177, 0.2782, 0.2349 by changing the saturation by 10% instead.


 48.7177, 0.2782,
0.2349


 48.7177, 0.2782,
0.2349


381.6299, 0.2959,
0.2781

 34.3956, 0.2738,
0.2252


 88.2720, 0.2846,
0.2497

 23.1977, 0.2682,
0.2135


 114.2730, 0.2871,
0.2556

 14.7395, 0.2608,
0.1988


144.9358, 0.2891,
0.2606

 8.6368, 0.2507,
0.1802

180.6448, 0.2909,
0.2650

 4.5050, 0.2364,
0.1560

221.7842, 0.2924,
0.2689

 1.9599, 0.2149,
0.1239

268.7387, 0.2937,

 0.5840, 0.1813,

0.2723

0.0774

321.8924, 0.2949,
0.2753

0.0000, 0.0844,
0.0000

0.0000, 0.0000,
0.0000

48.7177, 0.2782,
0.2349

48.7177, 0.2782,
0.2349

38.1552, 0.2649,
0.2040

61.3243, 0.2902,
0.2651

29.5205, 0.2506,
0.1734

76.0761, 0.3007,
0.2935

22.6901, 0.2357,
0.1448

93.0711, 0.3097,
0.3198

17.5241, 0.2208,
0.1200

100.0000, 0.3127,
0.3290

■ 13.8613, 0.2069,
0.1003

■ 11.5055, 0.1945,
0.0866

■ 10.5220, 0.1876,
0.0807

Harmonies

Analogous

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



48.7177, 0.2275, 0.2269



48.7177, 0.2782, 0.2349



48.7177, 0.3446, 0.2624

Triad

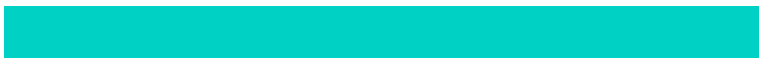
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.7177, 0.2782, 0.2349



48.7177, 0.4366, 0.4027



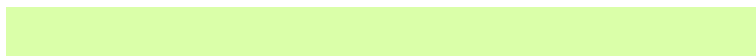
48.7177, 0.2235, 0.3462

Complementary

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



48.7177, 0.2782, 0.2349



89.2847, 0.3387, 0.4210

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.



48.7177, 0.2730, 0.4126



48.7177, 0.2782, 0.2349



48.7177, 0.3965, 0.4406

Square

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



48.7177, 0.2782, 0.2349



48.7177, 0.4421, 0.3535



48.7177, 0.3363, 0.4487



48.7177, 0.1986, 0.2826

Rectangle

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



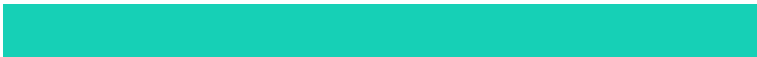
48.7177, 0.2782, 0.2349



48.7177, 0.3884, 0.2891



48.7177, 0.3363, 0.4487



48.7177, 0.2376, 0.3697

Sweetspot

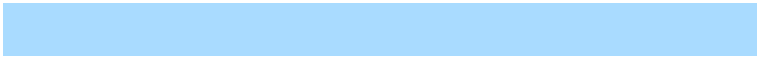
The Sweet Spot groups the original color and five complimentary colors.



48.7187, 0.2782, 0.2349



82.1451, 0.3042, 0.3036



66.4027, 0.2594, 0.2881



17.0848, 0.3029, 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.



48.7187, 0.2782, 0.2349



41.8618, 0.2700, 0.2155



55.5192, 0.3109, 0.2435



17.7601, 0.3046, 0.3049



5.5821, 0.1893, 0.0817



0.6065, 0.2019, 0.0886

Inverse Universe

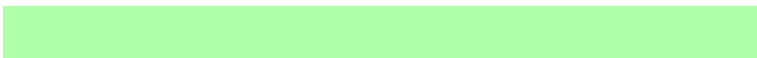
The Inverse Universe completely reimagines the original color for something new.



54.6935, 0.3472, 0.2790



48.7497, 0.3561, 0.2696



83.6331, 0.3122, 0.4290



18.1604, 0.3205, 0.3155



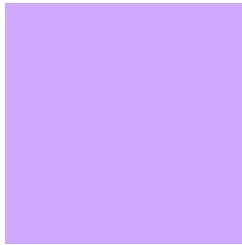
12.2108, 0.4671, 0.2347



1.2108, 0.4458, 0.2229

Previews

White Background



This preview shows how the Yxy color 48.7177, 0.2782, 0.2349 looks on a white background.

Color Contrast Check

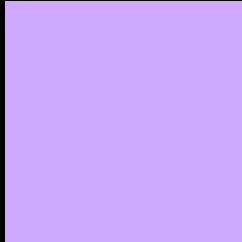
Large Text (above 18pt) WCAG AA × Fail

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 48.7177, 0.2782, 0.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

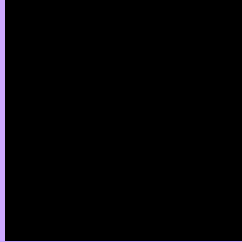
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7177, 0.2782, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 48.7177, 0.2782, 0.2349.



This preview shows how white text looks on a background with the Yxy color 48.7177, 0.2782, 0.2349.

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

48.7177, 0.2782, 0.2349

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

49.0022, 0.2535, 0.2473



Tritanopia

48.7236, 0.3144, 0.3117

Trichromacy



Original Color

48.7177, 0.2782, 0.2349



Protanomaly

48.6445, 0.2596, 0.2403



Deuteranomaly

48.7564, 0.2622, 0.2425



Tritanomaly

48.7334, 0.3008, 0.2815

Monochromacy



Original Color

48.7177, 0.2782, 0.2349



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

50.0467, 0.2998, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7177, 0.2782, 0.2349 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(206, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 169, 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(206, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7177, 0.2782, 0.2349 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(206, 169, 255) }
```

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

```
.border{ border-color:rgb(206, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7177, 0.2782, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 169, 255) }
```

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

```
.background{ background-color: rgb(206,  
169, 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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