

Converting Colors

$Y_{xy}(49.1481, 0.2797, 0.2358)$

Have a look what the booklet for
Yxy(49.1481, 0.2797, 0.2358)
contains.

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Color

Yxy(49.0058, 0.2797, 0.2353)

Conversions

Conversions Part 1

Format	Color
Hex	D0A9FF
RGB	208, 169, 255
RGB Percent	82%, 66%, 100%
CMY	0.1843, 0.3373, 0.0000
CMYK	0.18, 0.34, 0.00, 0.00
HSL	267°, 100%, 83%
HSV	267°, 34%, 100%
XYZ	58.2530, 49.0058, 101.0107
YIQ	190.4650, -4.3620, 35.0140

Conversions

Conversions Part 2

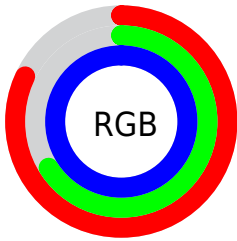
Format	Color
R _Y B	208, 169, 255
Decimal	13675007
CIE Lab	75.45, 30.51, -37.38
CIE LCh	75, 48.250, 309.225
Yxy	49.0058, 0.2797, 0.2353
Android (android.graphics.Color)	4291865087 (0xFFD0A9FF)
YUV	190.4650, 31.8158, 15.3782
Hunter-Lab	70.0041, 26.0290, -36.5481

Details

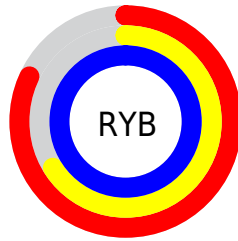
The Yxy color $49.0058, 0.2797, 0.2353$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.9829, 0.3373, 0.4214$, and the grayscale version is $51.5897, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $23.2434, 0.2696, 0.2133$ is the 20% darker color. If you saturate the color by 10%, you get $38.4941, 0.2670, 0.2046$, and if you desaturate by 10%, it is $61.5467, 0.2912, 0.2653$.

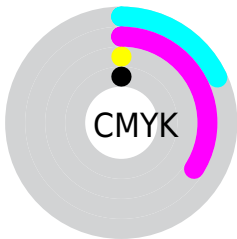
Distribution



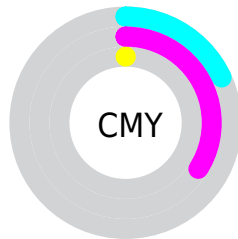
- Red (82%)
- Green (66%)
- Blue (100%)



- 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 49.0058, 0.2797, 0.2353 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 49.0058, 0.2797, 0.2353 by changing the saturation by 10% instead.


 49.0058, 0.2797,
0.2353


 49.0058, 0.2797,
0.2353


382.7652, 0.2967,
0.2783

 34.6241, 0.2755,
0.2257

 88.7001, 0.2859,
0.2501

 23.3734, 0.2700,
0.2140


 114.7814, 0.2882,
0.2558

 14.8695, 0.2629,
0.1995


145.5314, 0.2902,
0.2608

 8.7278, 0.2532,
0.1810

181.3345, 0.2918,
0.2652

 4.5641, 0.2394,
0.1570

222.5750, 0.2933,
0.2691

 1.9938, 0.2185,
0.1251

269.6373, 0.2946,

 0.6039, 0.1857,

0.2725

0.0793

322.9059, 0.2957,
0.2755

0.0000, 0.0951,
0.0000

0.0000, 0.0000,
0.0000

49.0058, 0.2797,
0.2353

49.0058, 0.2797,
0.2353

38.4941, 0.2670,
0.2046

61.5467, 0.2912,
0.2653

29.8965, 0.2531,
0.1745

76.2179, 0.3012,
0.2936

23.0900, 0.2388,
0.1463

93.1167, 0.3098,
0.3198

17.9354, 0.2244,
0.1217

100.0000, 0.3127,
0.3290

■ 14.2723, 0.2108,
0.1023

■ 11.9053, 0.1985,
0.0888

■ 10.9093, 0.1917,
0.0830

Harmonies

Analogous

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



49.0058, 0.2284, 0.2267



49.0058, 0.2797, 0.2353



49.0058, 0.3463, 0.2632

Triad

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



49.0058, 0.2797, 0.2353



49.0058, 0.4361, 0.4039



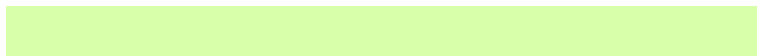
49.0058, 0.2225, 0.3445

Complementary

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



49.0058, 0.2797, 0.2353



88.9829, 0.3373, 0.4214

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.



49.0058, 0.2715, 0.4113



49.0058, 0.2797, 0.2353



49.0058, 0.3953, 0.4413

Square

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



49.0058, 0.2797, 0.2353



49.0058, 0.4425, 0.3548



49.0058, 0.3347, 0.4484



49.0058, 0.1982, 0.2812

Rectangle

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



49.0058, 0.2797, 0.2353



49.0058, 0.3900, 0.2902



49.0058, 0.3347, 0.4484



49.0058, 0.2364, 0.3679

Sweetspot

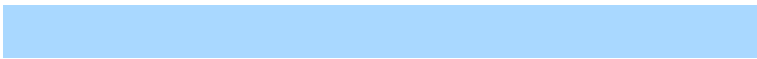
The Sweet Spot groups the original color and five complimentary colors.



49.0067, 0.2797, 0.2353



82.2480, 0.3046, 0.3036



64.9207, 0.2590, 0.2847



17.1097, 0.3033, 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.



49.0067, 0.2797, 0.2353



42.1803, 0.2718, 0.2161



56.0496, 0.3132, 0.2441



17.7812, 0.3050, 0.3049



5.7863, 0.1934, 0.0839



0.6273, 0.2059, 0.0908

Inverse Universe

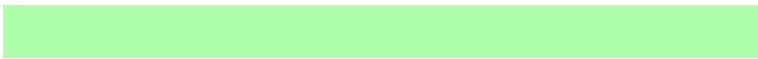
The Inverse Universe completely reimagines the original color for something new.



54.5937, 0.3490, 0.2809



48.6330, 0.3583, 0.2718



83.3031, 0.3105, 0.4295



18.1532, 0.3208, 0.3161



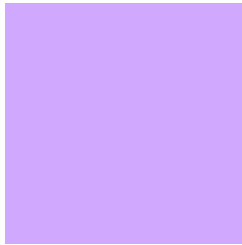
12.1187, 0.4767, 0.2400



1.2020, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 49.0058, 0.2797, 0.2353 looks on a white background.

Color Contrast Check

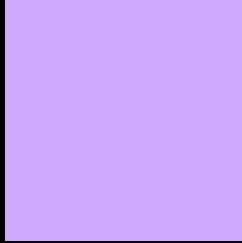
Large Text (above 18pt) WCAG AA × Fail

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 49.0058, 0.2797, 0.2353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

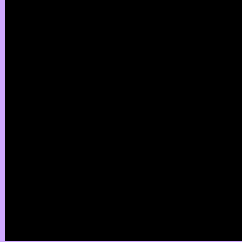
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0058, 0.2797, 0.2353

Background



This preview shows how black text looks on a background with the Yxy color 49.0058, 0.2797, 0.2353.

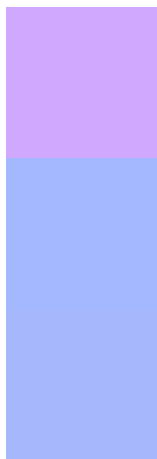


This preview shows how white text looks on a background with the Yxy color 49.0058, 0.2797, 0.2353.

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

49.0058, 0.2797, 0.2353

Protanopia

49.3935, 0.2508, 0.2453

Deuteranopia

49.1107, 0.2541, 0.2474



Tritanopia

48.9936, 0.3161, 0.3118

Trichromacy



Original Color

49.0058, 0.2797, 0.2353



Protanomaly

49.1635, 0.2605, 0.2416



Deuteranomaly

48.8777, 0.2629, 0.2427



Tritanomaly

49.0106, 0.3024, 0.2818

Monochromacy



Original Color

49.0058, 0.2797, 0.2353



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 49.0058, 0.2797, 0.2353 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(208, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.0058, 0.2797, 0.2353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

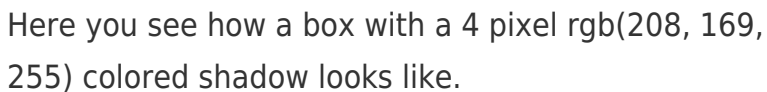
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 169, 255) }
```

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

```
.border{ border-color:rgb(208, 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(208, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 169, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 169, 255); box-shadow:4px 4px 4px 4px rgb(208, 169, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0058, 0.2797, 0.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 169, 255) }
```

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

```
.background{ background-color: rgb(208,  
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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