

Converting Colors

$Y_{xy}(49.8028, 0.2804, 0.2375)$

Have a look what the booklet for
Yxy(49.8028, 0.2804, 0.2375)
contains.

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Color

Yxy(49.9011, 0.2806, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	D1ABFF
RGB	209, 171, 255
RGB Percent	82%, 67%, 100%
CMY	0.1804, 0.3294, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	267°, 100%, 84%
HSV	267°, 33%, 100%
XYZ	58.9072, 49.9011, 101.1248
YIQ	191.9380, -4.3160, 34.1800

Conversions

Conversions Part 2

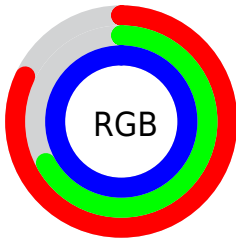
Format	Color
R _Y B	209, 171, 255
Decimal	13741055
CIE Lab	76.01, 29.71, -36.50
CIE LCh	76, 47.060, 309.147
Yxy	49.9011, 0.2806, 0.2377
Android (android.graphics.Color)	4291931135 (0xFFD1ABFF)
YUV	191.9380, 31.0896, 14.9634
Hunter-Lab	70.6407, 25.2298, -35.4273

Details

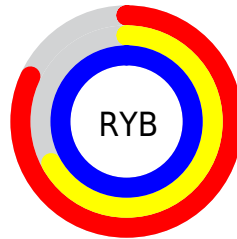
The Yxy color **49.9011, 0.2806, 0.2377** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.2026, 0.3369, 0.4190**, and the grayscale version is **52.4930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **23.8064, 0.2708, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **39.2334, 0.2679, 0.2070**, and if you desaturate by 10%, it is **62.6093, 0.2920, 0.2675**.

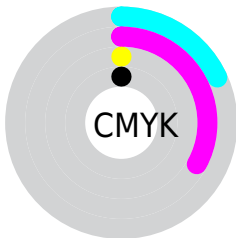
Distribution



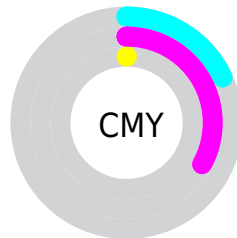
- Red (82%)
- Green (67%)
- Blue (100%)



- 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 49.9011, 0.2806, 0.2377 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 49.9011, 0.2806, 0.2377 by changing the saturation by 10% instead.

 49.9011, 0.2806,
0.2377

 49.9011, 0.2806,
0.2377


386.2791, 0.2970,
0.2795

 35.3348, 0.2765,
0.2284


 90.0283, 0.2866,
0.2521

 23.9209, 0.2713,
0.2169


116.3581, 0.2888,
0.2577

 15.2750, 0.2644,
0.2028


147.3777, 0.2907,
0.2626

 9.0126, 0.2550,
0.1847

183.4718, 0.2924,
0.2668

 4.7494, 0.2417,
0.1612

225.0245, 0.2938,
0.2706

 2.1010, 0.2216,
0.1299

272.4204, 0.2950,

 0.6652, 0.1897,

0.2739

0.0858

326.0438, 0.2961,
0.2769

0.0000, 0.1070,
0.0000

0.0000, 0.0000,
0.0000

49.9011, 0.2806,
0.2377

49.9011, 0.2806,
0.2377

39.2334, 0.2679,
0.2070

62.6093, 0.2920,
0.2675

30.4882, 0.2542,
0.1767

77.4549, 0.3019,
0.2957

23.5447, 0.2398,
0.1483

94.5359, 0.3105,
0.3218

18.2653, 0.2253,
0.1234

99.9993, 0.3127,
0.3290

■ 14.4913, 0.2116,
0.1036

■ 12.0310, 0.1992,
0.0896

■ 10.8906, 0.1915,
0.0829

Harmonies

Analogous

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



49.9011, 0.2307, 0.2294



49.9011, 0.2806, 0.2377



49.9011, 0.3452, 0.2649

Triad

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



49.9011, 0.2806, 0.2377



49.9011, 0.4326, 0.4021



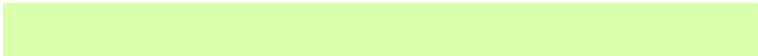
49.9011, 0.2252, 0.3443

Complementary

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



49.9011, 0.2806, 0.2377



89.2026, 0.3369, 0.4190

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.



49.9011, 0.2730, 0.4087



49.9011, 0.2806, 0.2377



49.9011, 0.3933, 0.4381

Square

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



49.9011, 0.2806, 0.2377



49.9011, 0.4386, 0.3543



49.9011, 0.3345, 0.4446



49.9011, 0.2013, 0.2830

Rectangle

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



49.9011, 0.2806, 0.2377



49.9011, 0.3875, 0.2912



49.9011, 0.3345, 0.4446



49.9011, 0.2388, 0.3670

Sweetspot

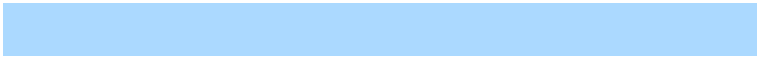
The Sweet Spot groups the original color and five complimentary colors.



49.9031, 0.2806, 0.2377



82.2434, 0.3046, 0.3036



65.6042, 0.2602, 0.2859



17.1086, 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.



49.9031, 0.2806, 0.2377



42.1662, 0.2718, 0.2161



56.8167, 0.3132, 0.2461



17.7802, 0.3050, 0.3049



5.7770, 0.1932, 0.0838



0.6263, 0.2057, 0.0907

Inverse Universe

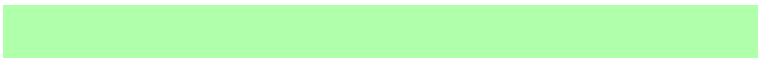
The Inverse Universe completely reimagines the original color for something new.



55.3940, 0.3478, 0.2820



48.6381, 0.3582, 0.2717



83.5909, 0.3106, 0.4267



18.1535, 0.3208, 0.3161



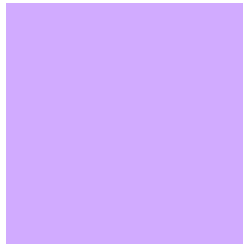
12.1227, 0.4763, 0.2398



1.2024, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 49.9011, 0.2806, 0.2377 looks on a white background.

Color Contrast Check

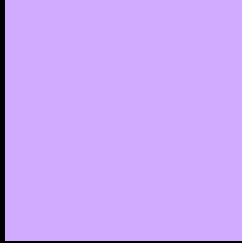
Large Text (above 18pt) WCAG AA × Fail

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 49.9011, 0.2806, 0.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

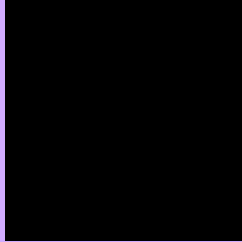
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9011, 0.2806, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 49.9011, 0.2806, 0.2377.

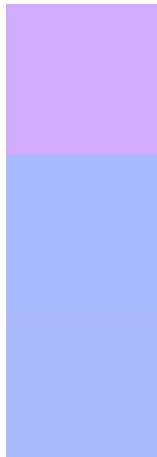


This preview shows how white text looks on a background with the Yxy color 49.9011, 0.2806, 0.2377.

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

49.9011, 0.2806, 0.2377

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.2722, 0.2564, 0.2503



Tritanopia

50.0403, 0.3152, 0.3119

Trichromacy



Original Color

49.9011, 0.2806, 0.2377



Protanomaly

49.8076, 0.2619, 0.2431



Deuteranomaly

49.9247, 0.2645, 0.2454



Tritanomaly

49.9987, 0.3025, 0.2832

Monochromacy



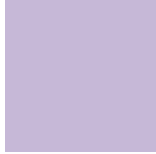
Original Color

49.9011, 0.2806, 0.2377



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.1930, 0.3006, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9011, 0.2806, 0.2377 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, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 171, 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, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9011, 0.2806, 0.2377 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, 171, 255) }
```

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

```
.border{ border-color:rgb(209, 171, 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, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9011, 0.2806, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 171, 255) }
```

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

```
.background{ background-color: rgb(209,  
171, 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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