

Converting Colors

Yxy(54.9209, 0.2407, 0.1817)

Have a look what the booklet for
Yxy(54.9209, 0.2407, 0.1817)
contains.

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Color

Yxy(49.2976, 0.2812, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	D2A9FF
RGB	210, 169, 255
RGB Percent	82%, 66%, 100%
CMY	0.1766, 0.3372, 0.0000
CMYK	0.18, 0.34, 0.00, 0.00
HSL	269°, 100%, 83%
HSV	269°, 34%, 100%
XYZ	58.8141, 49.2976, 101.0423
YIQ	191.0630, -3.1700, 35.4380

Conversions

Conversions Part 2

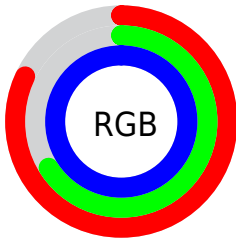
Format	Color
R _Y B	210, 169, 255
Decimal	13806079
CIE Lab	75.64, 31.09, -37.09
CIE LCh	76, 48.394, 309.974
Yxy	49.2976, 0.2812, 0.2357
Android (android.graphics.Color)	4291996159 (0xFFD2A9FF)
YUV	191.0630, 31.5209, 16.6077
Hunter-Lab	70.2122, 26.6512, -36.1755

Details

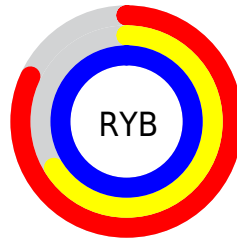
The Yxy color $49.2976, 0.2812, 0.2357$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.6858, 0.3360, 0.4217$, and the grayscale version is $51.9529, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $23.4380, 0.2716, 0.2139$ is the 20% darker color. If you saturate the color by 10%, you get $38.8385, 0.2690, 0.2053$, and if you desaturate by 10%, it is $61.7713, 0.2922, 0.2654$.

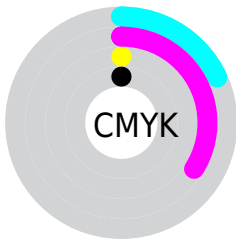
Distribution



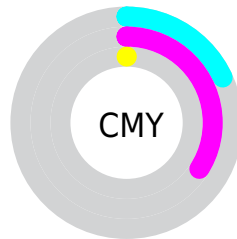
- Red (82%)
- Green (66%)
- Blue (100%)



- 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 49.2976, 0.2812, 0.2357 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 49.2976, 0.2812, 0.2357 by changing the saturation by 10% instead.


 49.2976, 0.2812,
0.2357


 49.2976, 0.2812,
0.2357

383.9127, 0.2974,
0.2784

 34.8556, 0.2771,
0.2262


 89.1333, 0.2871,
0.2504

 23.5517, 0.2719,
0.2145


 115.2958, 0.2894,
0.2561

 15.0014, 0.2651,
0.2001


146.1339, 0.2912,
0.2611

 8.8204, 0.2557,
0.1817

182.0321, 0.2928,
0.2654

 4.6242, 0.2424,
0.1579

223.3746, 0.2942,
0.2693

 2.0285, 0.2222,
0.1262

270.5460, 0.2954,

 0.6240, 0.1902,

0.2727

0.0812

323.9306, 0.2965,
0.2757

0.0000, 0.1056,
0.0000

0.0000, 0.0000,
0.0000

49.2976, 0.2812,
0.2357

49.2976, 0.2812,
0.2357

38.8385, 0.2690,
0.2053

61.7713, 0.2922,
0.2654

30.2804, 0.2557,
0.1755

76.3612, 0.3017,
0.2937

23.5007, 0.2419,
0.1477

93.1636, 0.3100,
0.3198

18.3609, 0.2280,
0.1236

100.0000, 0.3127,
0.3290

■ 14.7010, 0.2147,
0.1044

■ 12.3266, 0.2027,
0.0911

■ 11.3205, 0.1959,
0.0853

Harmonies

Analogous

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



49.2976, 0.2293, 0.2266



49.2976, 0.2812, 0.2357



49.2976, 0.3481, 0.2641

Triad

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



49.2976, 0.2812, 0.2357



49.2976, 0.4356, 0.4051



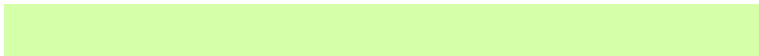
49.2976, 0.2215, 0.3427

Complementary

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



49.2976, 0.2812, 0.2357



88.6858, 0.3360, 0.4217

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.



49.2976, 0.2700, 0.4099



49.2976, 0.2812, 0.2357



49.2976, 0.3940, 0.4421

Square

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



49.2976, 0.2812, 0.2357



49.2976, 0.4430, 0.3561



49.2976, 0.3331, 0.4482



49.2976, 0.1979, 0.2798

Rectangle

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



49.2976, 0.2812, 0.2357



49.2976, 0.3915, 0.2912



49.2976, 0.3331, 0.4482



49.2976, 0.2352, 0.3662

Sweetspot

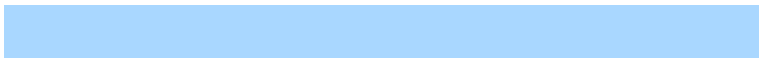
The Sweet Spot groups the original color and five complimentary colors.



49.2981, 0.2812, 0.2357



82.3509, 0.3050, 0.3037



64.1915, 0.2588, 0.2831



17.1346, 0.3038, 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.



49.2981, 0.2812, 0.2357



42.5027, 0.2737, 0.2167



56.3201, 0.3144, 0.2444



17.8022, 0.3054, 0.3050



6.0027, 0.1976, 0.0862



0.6490, 0.2100, 0.0930

Inverse Universe

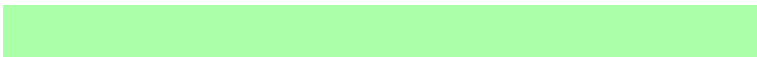
The Inverse Universe completely reimagines the original color for something new.



54.4963, 0.3507, 0.2829



48.5184, 0.3606, 0.2741



83.1416, 0.3096, 0.4297



18.1460, 0.3212, 0.3166



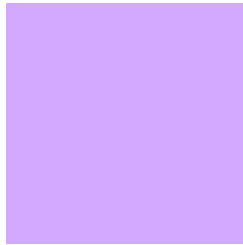
12.0315, 0.4864, 0.2453



1.1936, 0.4623, 0.2321

Previews

White Background



This preview shows how the Yxy color 49.2976, 0.2812, 0.2357 looks on a white background.

Color Contrast Check

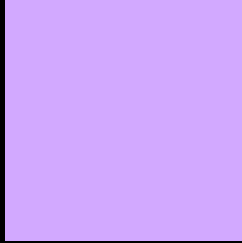
Large Text (above 18pt) WCAG AA × Fail

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 49.2976, 0.2812, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

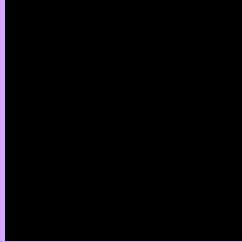
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2976, 0.2812, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 49.2976, 0.2812, 0.2357.



This preview shows how white text looks on a background with the Yxy color 49.2976, 0.2812, 0.2357.

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

49.2976, 0.2812, 0.2357

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.6341, 0.2549, 0.2488



Tritanopia

49.2672, 0.3178, 0.3119

Trichromacy



Original Color

49.2976, 0.2812, 0.2357

Protanomaly

49.2840, 0.2611, 0.2418

Deuteranomaly

49.3993, 0.2637, 0.2440

Tritanomaly

49.2914, 0.3041, 0.2820

Monochromacy



Original Color

49.2976, 0.2812, 0.2357

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 49.2976, 0.2812, 0.2357 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(210, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2976, 0.2812, 0.2357 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(210, 169, 255) }
```

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

```
.border{ border-color:rgb(210, 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(210, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2976, 0.2812, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 169, 255) }
```

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

```
.background{ background-color: rgb(210,  
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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