

Converting Colors

$Y_{xy}(49.1393, 0.2900, 0.2326)$

Have a look what the booklet for
Yxy(49.1393, 0.2900, 0.2326)
contains.

Yxy(49.3005, 0.2904, 0.2330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.3005, 0.2904, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	DEA4FF
RGB	222, 164, 255
RGB Percent	87%, 64%, 100%
CMY	0.1294, 0.3568, 0.0002
CMYK	0.13, 0.36, 0.00, 0.00
HSL	278°, 100%, 82%
HSV	278°, 36%, 100%
XYZ	61.4458, 49.3005, 100.8439
YIQ	191.7160, 5.3570, 40.5970

Conversions

Conversions Part 2

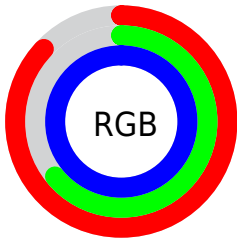
Format	Color
R _Y B	222, 164, 255
Decimal	14591231
CIE Lab	75.64, 37.34, -36.96
CIE LCh	76, 52.539, 315.301
Yxy	49.3005, 0.2904, 0.2330
Android (android.graphics.Color)	4292781311 (0xFFDEA4FF)
YUV	191.7160, 31.1990, 26.5591
Hunter-Lab	70.2143, 33.3334, -36.0040

Details

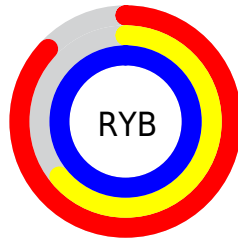
The Yxy color **49.3005, 0.2904, 0.2330** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.0333, 0.3277, 0.4307**, and the grayscale version is **52.3522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **23.5531, 0.2835, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **39.6546, 0.2820, 0.2048**, and if you desaturate by 10%, it is **60.8593, 0.2979, 0.2613**.

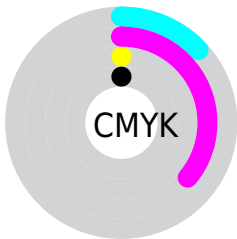
Distribution



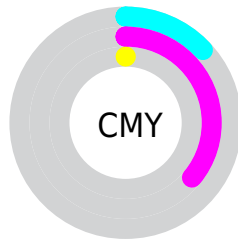
- Red (87%)
- Green (64%)
- Blue (100%)



- Red (87%)
- Yellow (64%)
- Blue (100%)



- Cyan (13%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3005, 0.2904, 0.2330 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 49.3005, 0.2904, 0.2330 by changing the saturation by 10% instead.


 49.3005, 0.2904,
0.2330


 49.3005, 0.2904,
0.2330


383.9241, 0.3024,
0.2767

 34.8579, 0.2873,
0.2233


 89.1376, 0.2949,
0.2479

 23.5534, 0.2832,
0.2116

 115.3009, 0.2965,
0.2538

 15.0027, 0.2778,
0.1970


146.1399, 0.2979,
0.2589

 8.8213, 0.2703,
0.1786

182.0390, 0.2991,
0.2633

 4.6248, 0.2594,
0.1548

223.3826, 0.3001,
0.2673

 2.0288, 0.2424,
0.1234

270.5550, 0.3010,

 0.6241, 0.2147,

0.2707

0.0791

323.9407, 0.3017,
0.2739

0.0000, 0.1521,
0.0000

0.0000, 0.0000,
0.0000

49.3005, 0.2904,
0.2330

49.3005, 0.2904,
0.2330

39.6546, 0.2820,
0.2048

60.8593, 0.2979,
0.2613

31.8043, 0.2727,
0.1780

74.4269, 0.3044,
0.2888

25.6288, 0.2629,
0.1538

90.1000, 0.3100,
0.3150

20.9890, 0.2530,
0.1334

99.9969, 0.3127,
0.3290

■ 17.7228, 0.2432,
0.1179

■ 15.6300, 0.2339,
0.1075

■ 14.9624, 0.2300,
0.1041

Harmonies

Analogous

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



49.3005, 0.2310, 0.2192



49.3005, 0.2904, 0.2330



49.3005, 0.3639, 0.2663

Triad

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



49.3005, 0.2904, 0.2330



49.3005, 0.4394, 0.4184



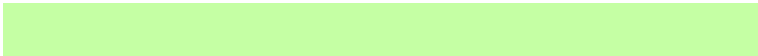
49.3005, 0.2077, 0.3299

Complementary

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



49.3005, 0.2904, 0.2330



86.0333, 0.3277, 0.4307

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.



49.3005, 0.2551, 0.4057



49.3005, 0.2904, 0.2330



49.3005, 0.3890, 0.4556

Square

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



49.3005, 0.2904, 0.2330



49.3005, 0.4557, 0.3666



49.3005, 0.3214, 0.4556



49.3005, 0.1880, 0.2656

Rectangle

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



49.3005, 0.2904, 0.2330



49.3005, 0.4094, 0.2966



49.3005, 0.3214, 0.4556



49.3005, 0.2206, 0.3555

Sweetspot

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



49.3026, 0.2904, 0.2330



81.5146, 0.3071, 0.3013



55.2040, 0.2531, 0.2616



16.9988, 0.3064, 0.2977



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.



49.3026, 0.2904, 0.2330



42.0683, 0.2843, 0.2123



54.2655, 0.3266, 0.2509



17.9522, 0.3080, 0.3052



7.9088, 0.2315, 0.1049



0.8318, 0.2416, 0.1105

Inverse Universe

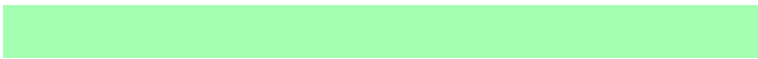
The Inverse Universe completely reimagines the original color for something new.



51.8337, 0.3673, 0.2948



45.1234, 0.3839, 0.2878



82.5227, 0.3015, 0.4223



18.0958, 0.3237, 0.3204



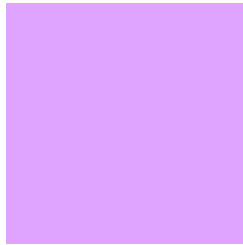
11.5418, 0.5536, 0.2823



1.1438, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 49.3005, 0.2904, 0.2330 looks on a white background.

Color Contrast Check

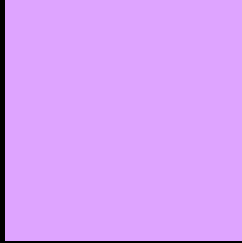
Large Text (above 18pt) WCAG AA × Fail

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 49.3005, 0.2904, 0.2330 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 49.3005, 0.2904, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 49.3005, 0.2904, 0.2330.



This preview shows how white text looks on a background with the Yxy color 49.3005, 0.2904, 0.2330.

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

49.3005, 0.2904, 0.2330

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.6810, 0.2562, 0.2499



Tritanopia

49.2029, 0.3319, 0.3124

Trichromacy



Original Color

49.3005, 0.2904, 0.2330



Protanomaly

49.1034, 0.2643, 0.2403



Deuteranomaly

49.1639, 0.2676, 0.2435



Tritanomaly

48.9590, 0.3167, 0.2808

Monochromacy



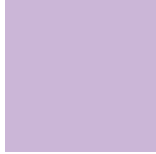
Original Color

49.3005, 0.2904, 0.2330



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.0587, 0.3047, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3005, 0.2904, 0.2330 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(222, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 164, 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(222, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.3005, 0.2904, 0.2330 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(222, 164, 255) }
```

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

```
.border{ border-color:rgb(222, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3005, 0.2904, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 164, 255) }
```

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

```
.background{ background-color: rgb(222,  
164, 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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