

Converting Colors

$Y_{xy}(49.0431, 0.3074, 0.2270)$

Have a look what the booklet for
Yxy(49.0431, 0.3074, 0.2270)
contains.

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Color

Yxy(49.0572, 0.3074, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	F399FF
RGB	243, 153, 255
RGB Percent	95%, 60%, 100%
CMY	0.0470, 0.4000, 0.0001
CMYK	0.05, 0.40, 0.00, 0.00
HSL	293°, 100%, 80%
HSV	293°, 40%, 100%
XYZ	66.4033, 49.0572, 100.5554
YIQ	191.5380, 20.8980, 50.8020

Conversions

Conversions Part 2

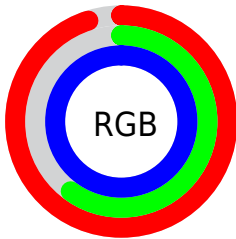
Format	Color
R_{YB}	243, 153, 255
Decimal	15964671
CIE _{Lab}	75.49, 49.32, -37.03
CIE _{LCh}	75, 61.676, 323.103
Yxy	49.0572, 0.3074, 0.2271
Android (android.graphics.Color)	4294154751 (0xFFFF399FF)
YUV	191.5380, 31.2868, 45.1322
Hunter-Lab	70.0408, 46.6581, -36.0921

Details

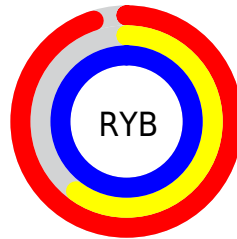
The Yxy color **49.0572, 0.3074, 0.2271** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7999, 0.3137, 0.4501**, and the grayscale version is **52.2361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.3152, 0.3039, 0.2044** is the 20% darker color. If you saturate the color by 10%, you get **41.0576, 0.3052, 0.2033**, and if you desaturate by 10%, it is **58.8528, 0.3092, 0.2525**.

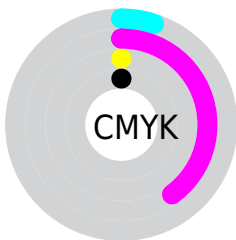
Distribution



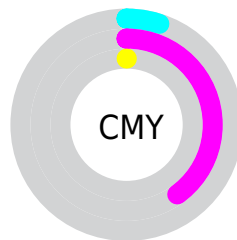
- Red (95%)
- Green (60%)
- Blue (100%)



- Red (95%)
- Yellow (60%)
- Blue (100%)



- Cyan (5%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0572, 0.3074, 0.2271 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 49.0572, 0.3074, 0.2271 by changing the saturation by 10% instead.


 49.0572, 0.3074,
0.2271


 49.0572, 0.3074,
0.2271

382.9675, 0.3116,
0.2729

 34.6649, 0.3060,
0.2171

 88.7764, 0.3092,
0.2426

 23.4048, 0.3042,
0.2050

 114.8721, 0.3098,
0.2488

 14.8927, 0.3015,
0.1901


145.6376, 0.3102,
0.2541

 8.7441, 0.2975,
0.1714

181.4574, 0.3106,
0.2588

 4.5747, 0.2911,
0.1475

222.7159, 0.3109,
0.2629

 1.9999, 0.2804,
0.1164

269.7975, 0.3112,

 0.6074, 0.2615,

0.2666

0.0731

323.0865, 0.3114,
0.2699

0.0000, 0.2259,
0.0000

0.0000, 0.0000,
0.0000

49.0572, 0.3074,
0.2271

49.0572, 0.3074,
0.2271

41.0576, 0.3052,
0.2033

58.8528, 0.3092,
0.2525

34.7330, 0.3027,
0.1821

70.5426, 0.3107,
0.2785

29.9575, 0.3000,
0.1645

84.2251, 0.3119,
0.3042

26.5846, 0.2970,
0.1513

99.9903, 0.3127,
0.3290

■ 24.4397, 0.2940,
0.1425

99.9984, 0.3127,
0.3290

■ 23.2375, 0.2909,
0.1376

■ 23.2367, 0.2909,
0.1376

Harmonies

Analogous

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



49.0572, 0.2332, 0.2052



49.0572, 0.3074, 0.2271



49.0572, 0.3945, 0.2692

Triad

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



49.0572, 0.3074, 0.2271



49.0572, 0.4458, 0.4436



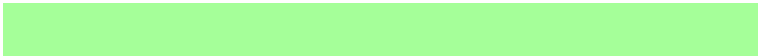
49.0572, 0.1826, 0.3061

Complementary

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



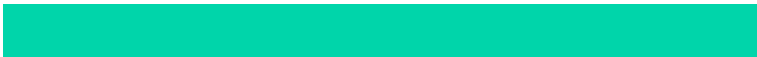
49.0572, 0.3074, 0.2271



81.7999, 0.3137, 0.4501

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.



49.0572, 0.2278, 0.3975



49.0572, 0.3074, 0.2271



49.0572, 0.3794, 0.4826

Square

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



49.0572, 0.3074, 0.2271



49.0572, 0.4790, 0.3850



49.0572, 0.2996, 0.4707



49.0572, 0.1696, 0.2398

Rectangle

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



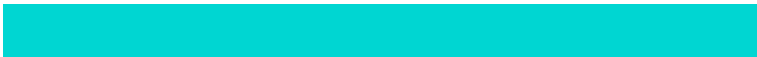
49.0572, 0.3074, 0.2271



49.0572, 0.4436, 0.3050



49.0572, 0.2996, 0.4707



49.0572, 0.1940, 0.3352

Sweetspot

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



49.0593, 0.3074, 0.2271



81.3322, 0.3117, 0.2991



41.4822, 0.2407, 0.2223



17.0125, 0.3115, 0.2958



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.



49.0593, 0.3074, 0.2271



42.5237, 0.3057, 0.2079



49.0793, 0.3499, 0.2633



18.1859, 0.3119, 0.3055



12.1873, 0.2914, 0.1379



1.2159, 0.2950, 0.1399

Inverse Universe

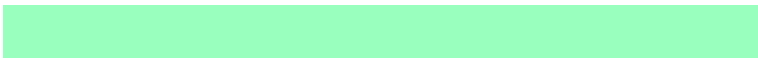
The Inverse Universe completely reimagines the original color for something new.



46.7544, 0.4024, 0.3167



40.0310, 0.4308, 0.3145



82.0119, 0.2883, 0.4061



18.0217, 0.3276, 0.3262



11.1684, 0.6260, 0.3222



1.0980, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 49.0572, 0.3074, 0.2271 looks on a white background.

Color Contrast Check

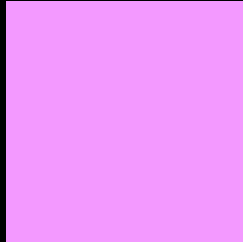
Large Text (above 18pt) WCAG AA × Fail

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 49.0572, 0.3074, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

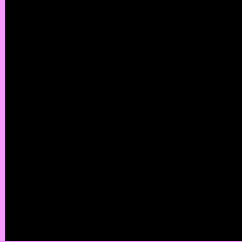
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0572, 0.3074, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 49.0572, 0.3074, 0.2271.



This preview shows how white text looks on a background with the Yxy color 49.0572, 0.3074, 0.2271.

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

49.0572, 0.3074, 0.2271

Protanopia

49.3935, 0.2508, 0.2453

Deuteranopia

49.1415, 0.2571, 0.2507



Tritanopia

49.0770, 0.3603, 0.3144

Trichromacy



Original Color

49.0572, 0.3074, 0.2271



Protanomaly

48.4446, 0.2689, 0.2369



Deuteranomaly

48.2058, 0.2735, 0.2401

Tritanomaly

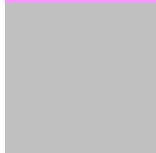
48.8024, 0.3403, 0.2790

Monochromacy



Original Color

49.0572, 0.3074, 0.2271



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.5960, 0.3114, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0572, 0.3074, 0.2271 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(243, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 153, 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(243, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.0572, 0.3074, 0.2271 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(243, 153, 255) }
```

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

```
.border{ border-color:rgb(243, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0572, 0.3074, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 153, 255) }
```

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

```
.background{ background-color: rgb(243,  
153, 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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