

Converting Colors

$Y_{xy}(49.4802, 0.3093, 0.2277)$

Have a look what the booklet for
Yxy(49.4802, 0.3093, 0.2277)
contains.

| | |
|---|----|
| Yxy(49.4149, 0.3090, 0.2276) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.4149, 0.3090, 0.2276)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F599FF |
| RGB | 245, 153, 255 |
| RGB Percent | 96%, 60%, 100% |
| CMY | 0.0394, 0.3999, 0.0000 |
| CMYK | 0.04, 0.40, 0.00, 0.00 |
| HSL | 294°, 100%, 80% |
| HSV | 294°, 40%, 100% |
| XYZ | 67.0879, 49.4149, 100.6101 |
| YIQ | 192.1360, 22.0900, 51.2260 |

Conversions

Conversions Part 2

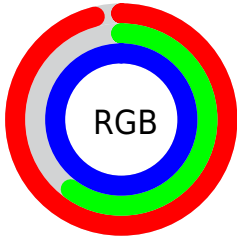
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 245, 153, 255 |
| Decimal | 16095743 |
| CIE _{Lab} | 75.71, 49.89, -36.68 |
| CIE _{LCh} | 76, 61.922, 323.673 |
| Y _{xy} | 49.4149, 0.3090, 0.2276 |
| Android (android.graphics.Color) | 4294285823 (0xFFFF599FF) |
| Y _{UV} | 192.1360, 30.9920, 46.3617 |
| Hunter-Lab | 70.2957, 47.3369, -35.6513 |

Details

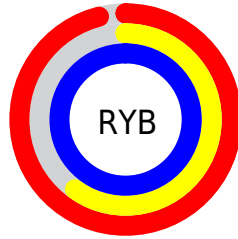
The Yxy color **49.4149, 0.3090, 0.2276** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.6137, 0.3126, 0.4505**, and the grayscale version is **52.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.5657, 0.3061, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **41.4928, 0.3073, 0.2041**, and if you desaturate by 10%, it is **59.1308, 0.3104, 0.2528**.

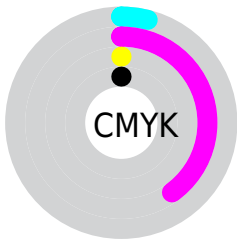
Distribution



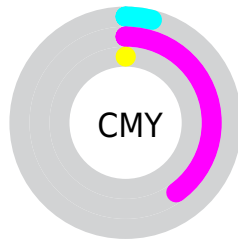
- Red (96%)
- Green (60%)
- Blue (100%)



- Red (96%)
- Yellow (60%)
- Blue (100%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4149, 0.3090, 0.2276 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 49.4149, 0.3090, 0.2276 by changing the saturation by 10% instead.


 49.4149, 0.3090,
0.2276

 49.4149, 0.3090,
0.2276

384.3734, 0.3124,
0.2731

 34.9487, 0.3078,
0.2177


 89.3074, 0.3105,
0.2430

 23.6234, 0.3062,
0.2056


 115.5024, 0.3110,
0.2491

 15.0545, 0.3038,
0.1908


146.3759, 0.3114,
0.2545

 8.8576, 0.3002,
0.1723

182.3122, 0.3117,
0.2591

 4.6484, 0.2944,
0.1486

223.6957, 0.3119,
0.2632

 2.0425, 0.2845,
0.1177

270.9108, 0.3121,

 0.6320, 0.2667,

0.2669

0.0751

324.3419, 0.3123,
0.2701

0.0000, 0.2344,
0.0000

0.0000, 0.0000,
0.0000

49.4149, 0.3090,
0.2276

49.4149, 0.3090,
0.2276

41.4928, 0.3073,
0.2041

59.1308, 0.3104,
0.2528

35.2436, 0.3054,
0.1833

70.7388, 0.3114,
0.2786

30.5414, 0.3032,
0.1661

84.3375, 0.3122,
0.3042

27.2397, 0.3008,
0.1532

100.0000, 0.3127,
0.3290

■ 25.1638, 0.2983,
0.1449

■ 24.0284, 0.2958,
0.1403

■ 24.0275, 0.2958,
0.1403

Harmonies

Analogous

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



49.4149, 0.2343, 0.2052



49.4149, 0.3090, 0.2276



49.4149, 0.3962, 0.2700

Triad

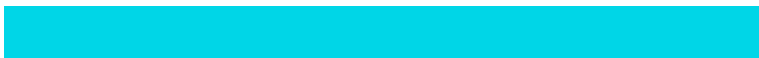
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.4149, 0.3090, 0.2276



49.4149, 0.4450, 0.4447



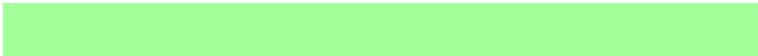
49.4149, 0.1818, 0.3044

Complementary

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



49.4149, 0.3090, 0.2276



81.6137, 0.3126, 0.4505

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.



49.4149, 0.2265, 0.3959



49.4149, 0.3090, 0.2276



49.4149, 0.3780, 0.4832

Square

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



49.4149, 0.3090, 0.2276



49.4149, 0.4790, 0.3862



49.4149, 0.2981, 0.4701



49.4149, 0.1694, 0.2388

Rectangle

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



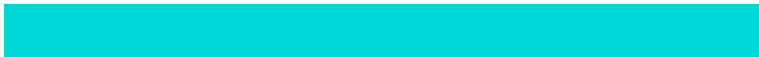
49.4149, 0.3090, 0.2276



49.4149, 0.4450, 0.3060



49.4149, 0.2981, 0.4701



49.4149, 0.1931, 0.3334

Sweetspot

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



49.4170, 0.3090, 0.2276



81.4399, 0.3121, 0.2991



40.2684, 0.2401, 0.2181



17.0380, 0.3120, 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.



49.4170, 0.3090, 0.2276



42.9324, 0.3077, 0.2086



48.9166, 0.3531, 0.2666



18.2042, 0.3122, 0.3055



12.5920, 0.2962, 0.1405



1.2513, 0.2992, 0.1422

Inverse Universe

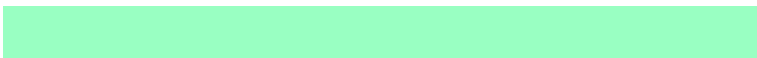
The Inverse Universe completely reimagines the original color for something new.



46.6973, 0.4044, 0.3187



39.9591, 0.4335, 0.3169



82.1815, 0.2866, 0.4019



18.0161, 0.3279, 0.3267



11.1552, 0.6291, 0.3239



1.0954, 0.6081, 0.3123

Previews

White Background



This preview shows how the Yxy color 49.4149, 0.3090, 0.2276 looks on a white background.

Color Contrast Check

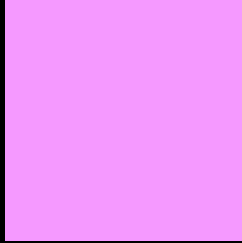
Large Text (above 18pt) WCAG AA × Fail

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 49.4149, 0.3090, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

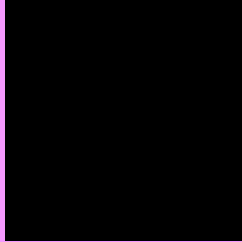
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4149, 0.3090, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 49.4149, 0.3090, 0.2276.



This preview shows how white text looks on a background with the Yxy color 49.4149, 0.3090, 0.2276.

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

49.4149, 0.3090, 0.2276

Protanopia

49.9173, 0.2516, 0.2466

Deuteranopia

49.7785, 0.2586, 0.2522



Tritanopia

49.4155, 0.3621, 0.3145

Trichromacy



Original Color

49.4149, 0.3090, 0.2276



Protanomaly

48.5765, 0.2696, 0.2371



Deuteranomaly

48.8579, 0.2751, 0.2416

Tritanomaly

49.1486, 0.3421, 0.2793

Monochromacy



Original Color

49.4149, 0.3090, 0.2276



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 49.4149, 0.3090, 0.2276 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(245, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.4149, 0.3090, 0.2276 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(245, 153, 255) }
```

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

```
.border{ border-color:rgb(245, 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(245, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4149, 0.3090, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 153, 255) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor