

Converting Colors

$Y_{xy}(48.0879, 0.3400, 0.2478)$

Have a look what the booklet for
Yxy(48.0879, 0.3400, 0.2478)
contains.

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Color

Yxy(48.0970, 0.3401, 0.2479)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF94E5 |
| RGB | 255, 148, 229 |
| RGB Percent | 100%, 58%, 90% |
| CMY | 0.0000, 0.4197, 0.1020 |
| CMYK | 0.00, 0.42, 0.10, 0.00 |
| HSL | 315°, 100%, 79% |
| HSV | 315°, 42%, 100% |
| XYZ | 65.9854, 48.0970, 79.9353 |
| YIQ | 189.2270, 37.7710, 47.8750 |

Conversions

Conversions Part 2

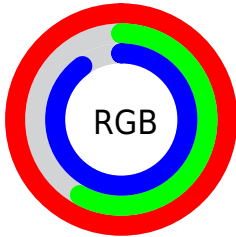
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 148, 229 |
| Decimal | 16749797 |
| CIE Lab | 74.89, 50.98, -23.72 |
| CIE LCh | 75, 56.230, 335.047 |
| Yxy | 48.0970, 0.3401, 0.2479 |
| Android (android.graphics.Color) | 4294939877 (0xFFFF94E5) |
| YUV | 189.2270, 19.6081, 57.6829 |
| Hunter-Lab | 69.3520, 48.4690, -19.7914 |

Details

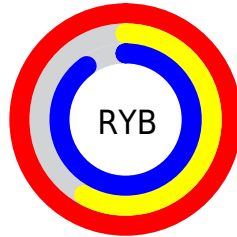
The Yxy color **48.0970, 0.3401, 0.2479** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.8690, 0.2939, 0.4275**, and the grayscale version is **50.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **22.7583, 0.3459, 0.2294** is the 20% darker color. If you saturate the color by 10%, you get **40.6142, 0.3489, 0.2302**, and if you desaturate by 10%, it is **57.3405, 0.3321, 0.2671**.

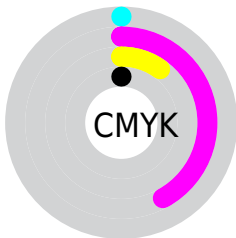
Distribution



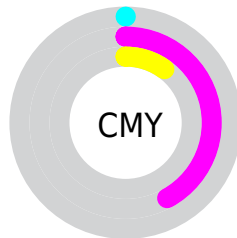
- Red (100%)
- Green (58%)
- Blue (90%)



- Red (100%)
- Yellow (58%)
- Blue (90%)



- Cyan (0%)
- Magenta (42%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0970, 0.3401, 0.2479 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 48.0970, 0.3401, 0.2479 by changing the saturation by 10% instead.


 48.0970, 0.3401,
0.2479


 48.0970, 0.3401,
0.2479


379.1765, 0.3278,
0.2852

 33.9037, 0.3428,
0.2395

 87.3488, 0.3359,
0.2608

 22.8196, 0.3460,
0.2292


 113.1761, 0.3343,
0.2658

 14.4604, 0.3500,
0.2162


143.6502, 0.3329,
0.2701

 8.4416, 0.3550,
0.1995

179.1555, 0.3316,
0.2739

 4.3788, 0.3614,
0.1774

220.0764, 0.3305,
0.2773

 1.8876, 0.3696,
0.1470

266.7973, 0.3295,

 0.5409, 0.3825,

0.2802

0.0971

319.7025, 0.3286,
0.2829

0.0000, 0.4035,
0.0000

0.0000, 0.0000,
0.0000

48.0970, 0.3401,
0.2479

48.0970, 0.3401,
0.2479

40.6142, 0.3489,
0.2302

57.3405, 0.3321,
0.2671

34.7950, 0.3583,
0.2150

68.4712, 0.3250,
0.2868

30.5016, 0.3682,
0.2034

81.5805, 0.3189,
0.3064

27.5827, 0.3782,
0.1963

96.7595, 0.3137,
0.3254

■ 25.8559, 0.3879,
0.1940

100.0000, 0.3127,
0.3290

■ 25.1127, 0.3955,
0.1952

Harmonies

Analogous

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



48.0970, 0.2641, 0.2191



48.0970, 0.3401, 0.2479



48.0970, 0.4164, 0.2934

Triad

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



48.0970, 0.3401, 0.2479



48.0970, 0.4152, 0.4538



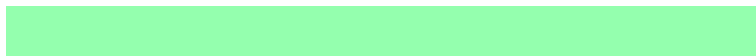
48.0970, 0.1833, 0.2806

Complementary

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



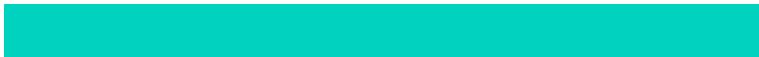
48.0970, 0.3401, 0.2479



80.8690, 0.2939, 0.4275

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.



48.0970, 0.2142, 0.3580



48.0970, 0.3401, 0.2479



48.0970, 0.3467, 0.4722

Square

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



48.0970, 0.3401, 0.2479



48.0970, 0.4594, 0.4052



48.0970, 0.2731, 0.4365



48.0970, 0.1823, 0.2313

Rectangle

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



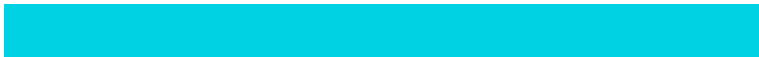
48.0970, 0.3401, 0.2479



48.0970, 0.4518, 0.3294



48.0970, 0.2731, 0.4365



48.0970, 0.1902, 0.3039

Sweetspot

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



48.0903, 0.3401, 0.2479



80.1350, 0.3195, 0.3044



37.2716, 0.2513, 0.2042



16.5054, 0.3208, 0.3001



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.



48.0903, 0.3401, 0.2479



41.9515, 0.3471, 0.2335



45.5882, 0.3921, 0.2993



18.2205, 0.3175, 0.3112



13.1467, 0.3940, 0.1944



1.2972, 0.3838, 0.1888

Inverse Universe

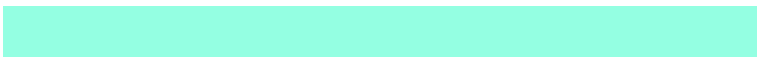
The Inverse Universe completely reimagines the original color for something new.



48.0903, 0.3401, 0.2479



41.9515, 0.3471, 0.2335



83.3302, 0.2683, 0.3620



18.2205, 0.3175, 0.3112



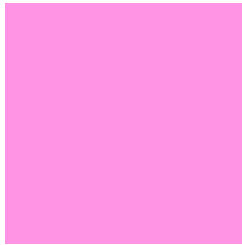
13.1467, 0.3940, 0.1944



1.2972, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 48.0970, 0.3401, 0.2479 looks on a white background.

Color Contrast Check

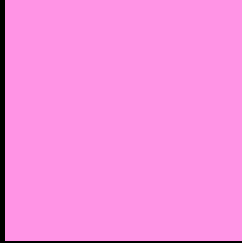
Large Text (above 18pt) WCAG AA × Fail

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 48.0970, 0.3401, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

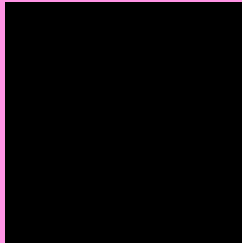
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0970, 0.3401, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 48.0970, 0.3401, 0.2479.



This preview shows how white text looks on a background with the Yxy color 48.0970, 0.3401, 0.2479.

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

48.0970, 0.3401, 0.2479

Protanopia

48.3982, 0.2504, 0.2437

Deuteranopia

48.4427, 0.2831, 0.2778



Tritanopia

48.0766, 0.3863, 0.3163

Trichromacy



Original Color

48.0970, 0.3401, 0.2479



Protanomaly

47.0778, 0.2773, 0.2435



Deuteranomaly

47.3675, 0.3021, 0.2647



Tritanomaly

48.1364, 0.3694, 0.2901

Monochromacy



Original Color

48.0970, 0.3401, 0.2479



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.7779, 0.3222, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0970, 0.3401, 0.2479 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(255, 148, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 229)  
}
```

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(255, 148, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 229) }
```

Border

The CSS property to change the border of an element to Yxy 48.0970, 0.3401, 0.2479 is called "border". The border property can be set on classes, ids or directly on the HTML element.

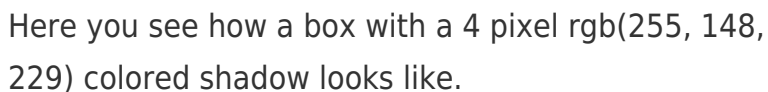
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 148, 229) }
```

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

```
.border{ border-color:rgb(255, 148, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 148, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 148, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 148, 229); box-shadow:4px 4px 4px 4px rgb(255, 148, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0970, 0.3401, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 229) }
```

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

```
.background{ background-color: rgb(255,  
148, 229) }
```

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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