

Converting Colors

$Y_{xy}(65.8978, 0.3852, 0.2473)$

Have a look what the booklet for
Yxy(65.8978, 0.3852, 0.2473)
contains.

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Color

Yxy(48.4129, 0.3219, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	FF91FA
RGB	255, 145, 250
RGB Percent	100%, 57%, 98%
CMY	0.0000, 0.4314, 0.0197
CMYK	0.00, 0.43, 0.02, 0.00
HSL	303°, 100%, 78%
HSV	303°, 43%, 100%
XYZ	68.6222, 48.4129, 96.1436
YIQ	189.8600, 31.8550, 55.9750

Conversions

Conversions Part 2

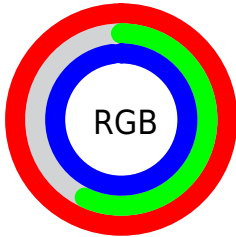
Format	Color
R _Y B	255, 145, 250
Decimal	16749050
CIE Lab	75.08, 55.95, -34.83
CIE LCh	75, 65.902, 328.093
Yxy	48.4129, 0.3219, 0.2271
Android (android.graphics.Color)	4294939130 (0xFFFF91FA)
YUV	189.8600, 29.6490, 57.1278
Hunter-Lab	69.5794, 54.2806, -33.2204

Details

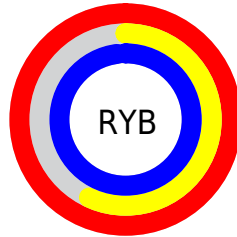
The Yxy color **48.4129, 0.3219, 0.2271** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.7427, 0.3040, 0.4579**, and the grayscale version is **51.2174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.8983, 0.3221, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **41.4001, 0.3242, 0.2066**, and if you desaturate by 10%, it is **57.1707, 0.3196, 0.2498**.

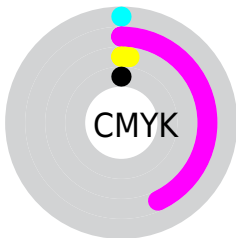
Distribution



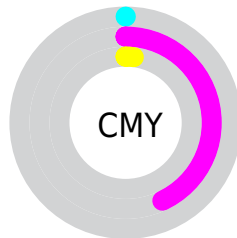
- Red (100%)
- Green (57%)
- Blue (98%)



- Red (100%)
- Yellow (57%)
- Blue (98%)



- Cyan (0%)
- Magenta (43%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4129, 0.3219, 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 48.4129, 0.3219, 0.2271 by changing the saturation by 10% instead.


 48.4129, 0.3219,
0.2271

 48.4129, 0.3219,
0.2271


380.4264, 0.3192,
0.2728

 34.1540, 0.3221,
0.2171

 87.8189, 0.3213,
0.2426

 23.0119, 0.3223,
0.2050


 113.7347, 0.3209,
0.2488

 14.6023, 0.3221,
0.1901


144.3049, 0.3206,
0.2541

 8.5408, 0.3214,
0.1714

179.9140, 0.3203,
0.2588

 4.4429, 0.3194,
0.1475

220.9463, 0.3200,
0.2629

 1.9243, 0.3149,
0.1163

267.7862, 0.3197,

 0.5629, 0.3055,

0.2666

0.0714

320.8181, 0.3194,
0.2699

0.0000, 0.2843,
0.0000

0.0000, 0.0000,
0.0000

48.4129, 0.3219,
0.2271

48.4129, 0.3219,
0.2271

41.4001, 0.3242,
0.2066

57.1707, 0.3196,
0.2498

36.0201, 0.3264,
0.1892

67.7871, 0.3173,
0.2737

32.1376, 0.3285,
0.1758

80.3589, 0.3152,
0.2979

29.5988, 0.3304,
0.1668

94.9778, 0.3133,
0.3217

■ 28.2165, 0.3320,
0.1621

100.0000, 0.3127,
0.3290

■ 27.7514, 0.3329,
0.1608

Harmonies

Analogous

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



48.4129, 0.2391, 0.2002



48.4129, 0.3219, 0.2271



48.4129, 0.4148, 0.2741

Triad

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



48.4129, 0.3219, 0.2271



48.4129, 0.4434, 0.4588



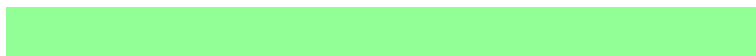
48.4129, 0.1699, 0.2892

Complementary

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



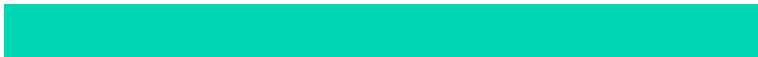
48.4129, 0.3219, 0.2271



79.7427, 0.3040, 0.4579

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.



48.4129, 0.2114, 0.3858



48.4129, 0.3219, 0.2271



48.4129, 0.3686, 0.4964

Square

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



48.4129, 0.3219, 0.2271



48.4129, 0.4873, 0.3973



48.4129, 0.2837, 0.4734



48.4129, 0.1622, 0.2255

Rectangle

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



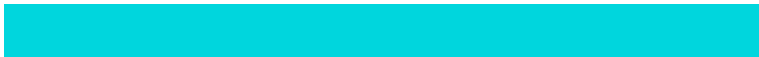
48.4129, 0.3219, 0.2271



48.4129, 0.4634, 0.3127



48.4129, 0.2837, 0.4734



48.4129, 0.1799, 0.3188

Sweetspot

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



48.4109, 0.3219, 0.2271



80.5456, 0.3152, 0.2982



33.8290, 0.2337, 0.1952



16.6078, 0.3157, 0.2929



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.



48.4109, 0.3219, 0.2271



42.1130, 0.3239, 0.2088



45.5114, 0.3723, 0.2761



18.2852, 0.3145, 0.3066



14.5070, 0.3327, 0.1607



1.4168, 0.3313, 0.1599

Inverse Universe

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



48.4109, 0.3219, 0.2271



42.1130, 0.3239, 0.2088



81.8834, 0.2778, 0.3902



18.2852, 0.3145, 0.3066



14.5070, 0.3327, 0.1607



1.4168, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 48.4129, 0.3219, 0.2271 looks on a white background.

Color Contrast Check

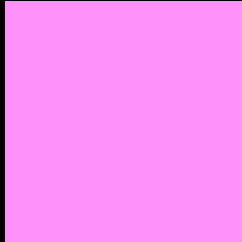
Large Text (above 18pt) WCAG AA × Fail

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 48.4129, 0.3219, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

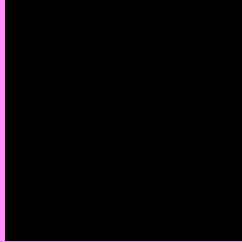
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4129, 0.3219, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 48.4129, 0.3219, 0.2271.



This preview shows how white text looks on a background with the Yxy color 48.4129, 0.3219, 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

48.4129, 0.3219, 0.2271

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.6976, 0.2625, 0.2561



Tritanopia

48.4895, 0.3819, 0.3162

Trichromacy



Original Color

48.4129, 0.3219, 0.2271



Protanomaly

47.2035, 0.2720, 0.2348



Deuteranomaly

47.5863, 0.2812, 0.2425



Tritanomaly

48.1809, 0.3588, 0.2806

Monochromacy



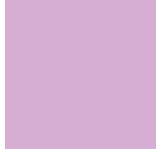
Original Color

48.4129, 0.3219, 0.2271



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.3217, 0.3165, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4129, 0.3219, 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(255, 145, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 250)  
}
```

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, 145, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 250) }
```

Border

The CSS property to change the border of an element to Yxy 48.4129, 0.3219, 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(255, 145, 250) }
```

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

```
.border{ border-color:rgb(255, 145, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4129, 0.3219, 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(255, 145, 250) }
```

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

```
.background{ background-color: rgb(255,  
145, 250) }
```

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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