

Converting Colors

$Y_{xy}(55.6095, 0.3466, 0.2374)$

Have a look what the booklet for
Yxy(55.6095, 0.3466, 0.2374)
contains.

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Color

Yxy(49.4048, 0.3209, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	FF94FB
RGB	255, 148, 251
RGB Percent	100%, 58%, 98%
CMY	0.0000, 0.4197, 0.0156
CMYK	0.00, 0.42, 0.02, 0.00
HSL	302°, 100%, 79%
HSV	302°, 42%, 100%
XYZ	69.2617, 49.4048, 97.1692
YIQ	191.7350, 30.7090, 54.7170

Conversions

Conversions Part 2

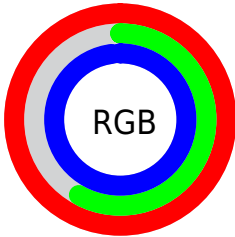
Format	Color
R _Y B	255, 148, 251
Decimal	16749819
CIE _{Lab}	75.70, 54.67, -34.45
CIE _{LCh}	76, 64.618, 327.786
Yxy	49.4048, 0.3209, 0.2289
Android (android.graphics.Color)	4294939899 (0xFFFF94FB)
YUV	191.7350, 29.2176, 55.4834
Hunter-Lab	70.2885, 52.8873, -32.7625

Details

The Yxy color **49.4048, 0.3209, 0.2289** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.0778, 0.3047, 0.4549**, and the grayscale version is **52.3509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **23.6362, 0.3207, 0.2077** is the 20% darker color. If you saturate the color by 10%, you get **42.2002, 0.3229, 0.2080**, and if you desaturate by 10%, it is **58.3520, 0.3188, 0.2519**.

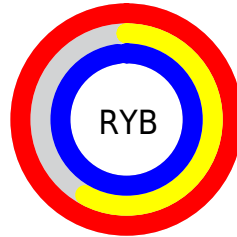
Distribution



Red (100%)

Green (58%)

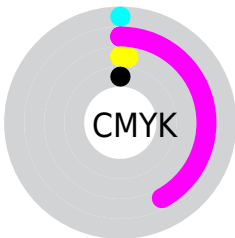
Blue (98%)



Red (100%)

Yellow (58%)

Blue (98%)

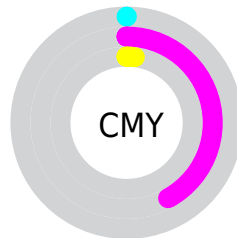


Cyan (0%)

Magenta (42%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4048, 0.3209, 0.2289 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 49.4048, 0.3209, 0.2289 by changing the saturation by 10% instead.


 49.4048, 0.3209,
0.2289


 49.4048, 0.3209,
0.2289


384.3338, 0.3186,
0.2738

 34.9407, 0.3211,
0.2191


 89.2924, 0.3204,
0.2441

 23.6172, 0.3211,
0.2072


 115.4846, 0.3201,
0.2502

 15.0499, 0.3208,
0.1926


146.3551, 0.3198,
0.2554

 8.8544, 0.3199,
0.1743

182.2881, 0.3196,
0.2600

 4.6463, 0.3179,
0.1508

223.6681, 0.3193,
0.2640

 2.0413, 0.3133,
0.1201

270.8794, 0.3191,

 0.6313, 0.3035,

0.2676

0.0774

324.3065, 0.3188,
0.2709

0.0000, 0.2847,
0.0000

0.0000, 0.0000,
0.0000

49.4048, 0.3209,
0.2289

49.4048, 0.3209,
0.2289

42.2002, 0.3229,
0.2080

58.3520, 0.3188,
0.2519

36.6503, 0.3249,
0.1901

69.1772, 0.3168,
0.2761

32.6142, 0.3267,
0.1761

81.9686, 0.3148,
0.3005

29.9408, 0.3283,
0.1665

96.8173, 0.3131,
0.3244

■ 28.4480, 0.3297,
0.1612

100.0000, 0.3127,
0.3290

■ 27.8844, 0.3306,
0.1595

Harmonies

Analogous

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



49.4048, 0.2402, 0.2027



49.4048, 0.3209, 0.2289



49.4048, 0.4114, 0.2749

Triad

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



49.4048, 0.3209, 0.2289



49.4048, 0.4415, 0.4558



49.4048, 0.1733, 0.2914

Complementary

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



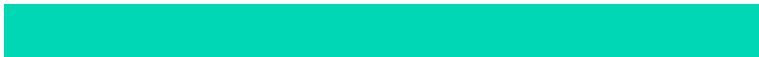
49.4048, 0.3209, 0.2289



80.0778, 0.3047, 0.4549

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.



49.4048, 0.2145, 0.3854



49.4048, 0.3209, 0.2289



49.4048, 0.3686, 0.4920

Square

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



49.4048, 0.3209, 0.2289



49.4048, 0.4834, 0.3959



49.4048, 0.2856, 0.4697



49.4048, 0.1652, 0.2285

Rectangle

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



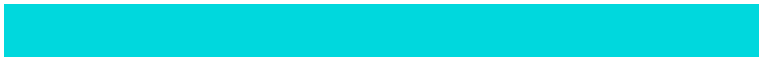
49.4048, 0.3209, 0.2289



49.4048, 0.4589, 0.3128



49.4048, 0.2856, 0.4697



49.4048, 0.1833, 0.3203

Sweetspot

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



49.3951, 0.3208, 0.2289



80.5638, 0.3150, 0.2980



35.0192, 0.2362, 0.1993



16.6123, 0.3154, 0.2926



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.



49.3951, 0.3208, 0.2289



43.4867, 0.3225, 0.2119



46.5021, 0.3700, 0.2775



18.2880, 0.3144, 0.3064



14.5754, 0.3305, 0.1594



1.4227, 0.3293, 0.1588

Inverse Universe

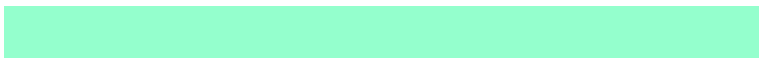
The Inverse Universe completely reimagines the original color for something new.



49.3951, 0.3208, 0.2289



43.4867, 0.3225, 0.2119



82.2228, 0.2786, 0.3883



18.2880, 0.3144, 0.3064



14.5754, 0.3305, 0.1594



1.4227, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 49.4048, 0.3209, 0.2289 looks on a white background.

Color Contrast Check

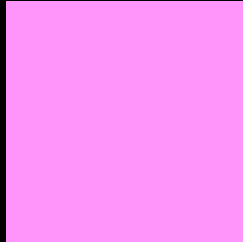
Large Text (above 18pt) WCAG AA × Fail

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 49.4048, 0.3209, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

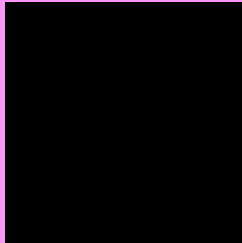
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4048, 0.3209, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 49.4048, 0.3209, 0.2289.



This preview shows how white text looks on a background with the Yxy color 49.4048, 0.3209, 0.2289.

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

49.4048, 0.3209, 0.2289

Protanopia

49.9173, 0.2516, 0.2466

Deuteranopia

49.8722, 0.2629, 0.2567



Tritanopia

49.3181, 0.3783, 0.3151

Trichromacy



Original Color

49.4048, 0.3209, 0.2289



Protanomaly

48.6666, 0.2731, 0.2376



Deuteranomaly

48.5377, 0.2814, 0.2440



Tritanomaly

48.9531, 0.3565, 0.2806

Monochromacy



Original Color

49.4048, 0.3209, 0.2289



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.3018, 0.3164, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4048, 0.3209, 0.2289 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 251) }
```

Border

The CSS property to change the border of an element to Yxy 49.4048, 0.3209, 0.2289 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, 251) }
```

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

```
.border{ border-color:rgb(255, 148, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4048, 0.3209, 0.2289 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
148, 251) }
```

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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