

Converting Colors

$Y_{xy}(49.6710, 0.3278, 0.2383)$

Have a look what the booklet for
Yxy(49.6710, 0.3278, 0.2383)
contains.

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Color

Yxy(49.8643, 0.3274, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	FF97F3
RGB	255, 151, 243
RGB Percent	100%, 59%, 95%
CMY	0.0001, 0.4078, 0.0470
CMYK	0.00, 0.41, 0.05, 0.00
HSL	307°, 100%, 80%
HSV	307°, 41%, 100%
XYZ	68.4797, 49.8643, 90.8183
YIQ	192.5840, 32.4520, 50.6600

Conversions

Conversions Part 2

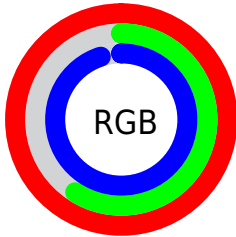
Format	Color
R _Y B	255, 151, 243
Decimal	16750579
CIE _{Lab}	75.99, 51.75, -29.67
CIE _{LCh}	76, 59.651, 330.175
Y _{xy}	49.8643, 0.3274, 0.2384
Android (android.graphics.Color)	4294940659 (0xFFFF97F3)
YUV	192.5840, 24.8551, 54.7388
Hunter-Lab	70.6147, 49.5277, -26.8233

Details

The Yxy color **49.8643, 0.3274, 0.2384** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7319, 0.3010, 0.4407**, and the grayscale version is **52.9114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1056, 0.3149, 0.2821**, and **24.0076, 0.3297, 0.2182** is the 20% darker color. If you saturate the color by 10%, you get **42.3509, 0.3318, 0.2183**, and if you desaturate by 10%, it is **59.1596, 0.3232, 0.2602**.

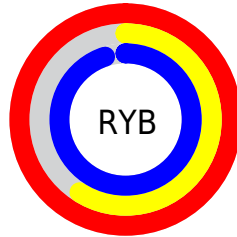
Distribution



Red (100%)

Green (59%)

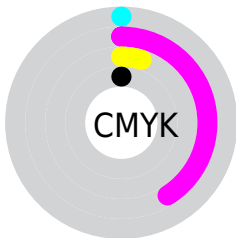
Blue (95%)



Red (100%)

Yellow (59%)

Blue (95%)

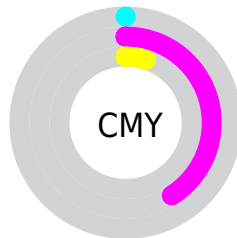


Cyan (0%)

Magenta (41%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8643, 0.3274, 0.2384 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 49.8643, 0.3274, 0.2384 by changing the saturation by 10% instead.

 49.8643, 0.3274,
0.2384

 49.8643, 0.3274,
0.2384


386.1350, 0.3217,
0.2794

 35.3056, 0.3284,
0.2293

 89.9738, 0.3256,
0.2524

 23.8984, 0.3296,
0.2183


 116.2933, 0.3249,
0.2579

 15.2582, 0.3308,
0.2046


147.3020, 0.3242,
0.2627

 9.0008, 0.3320,
0.1873

183.3841, 0.3236,
0.2669

 4.7417, 0.3329,
0.1647

224.9240, 0.3230,
0.2706

 2.0965, 0.3326,
0.1345

272.3063, 0.3225,

 0.6627, 0.3297,

0.2738

0.0914

325.9151, 0.3221,
0.2768

0.0000, 0.3264,
0.0000

0.0000, 0.0000,
0.0000

49.8643, 0.3274,
0.2384

49.8643, 0.3274,
0.2384

42.3509, 0.3318,
0.2183

59.1596, 0.3232,
0.2602

36.4972, 0.3364,
0.2009

70.3354, 0.3194,
0.2828

32.1762, 0.3409,
0.1872

83.4908, 0.3160,
0.3054

29.2397, 0.3453,
0.1778

98.7163, 0.3129,
0.3273

■ 27.5102, 0.3494,
0.1729

99.9962, 0.3127,
0.3290

■ 26.7267, 0.3529,
0.1718

Harmonies

Analogous

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



49.8643, 0.2508, 0.2120



49.8643, 0.3274, 0.2384



49.8643, 0.4097, 0.2831

Triad

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



49.8643, 0.3274, 0.2384



49.8643, 0.4288, 0.4518



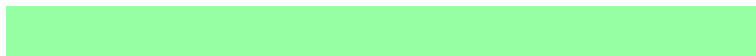
49.8643, 0.1811, 0.2893

Complementary

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



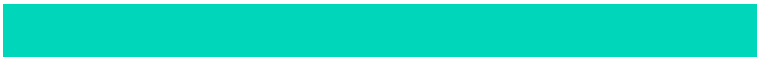
49.8643, 0.3274, 0.2384



80.7319, 0.3010, 0.4407

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.



49.8643, 0.2178, 0.3738



49.8643, 0.3274, 0.2384



49.8643, 0.3600, 0.4795

Square

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



49.8643, 0.3274, 0.2384



49.8643, 0.4696, 0.3979



49.8643, 0.2827, 0.4525



49.8643, 0.1753, 0.2329

Rectangle

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



49.8643, 0.3274, 0.2384



49.8643, 0.4513, 0.3195



49.8643, 0.2827, 0.4525



49.8643, 0.1898, 0.3153

Sweetspot

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



49.8666, 0.3274, 0.2384



81.7818, 0.3164, 0.3027



36.9773, 0.2435, 0.2051



17.1191, 0.3168, 0.2997



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.



49.8666, 0.3274, 0.2384



43.5665, 0.3310, 0.2217



47.2273, 0.3746, 0.2859



18.2622, 0.3156, 0.3082



13.9822, 0.3523, 0.1715



1.3712, 0.3482, 0.1692

Inverse Universe

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



49.8666, 0.3274, 0.2384



43.5665, 0.3310, 0.2217



82.9122, 0.2760, 0.3777



18.2622, 0.3156, 0.3082



13.9822, 0.3523, 0.1715



1.3712, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 49.8643, 0.3274, 0.2384 looks on a white background.

Color Contrast Check

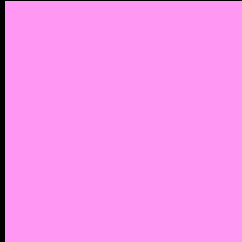
Large Text (above 18pt) WCAG AA × Fail

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 49.8643, 0.3274, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

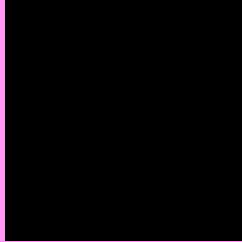
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8643, 0.3274, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 49.8643, 0.3274, 0.2384.



This preview shows how white text looks on a background with the Yxy color 49.8643, 0.3274, 0.2384.

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

49.8643, 0.3274, 0.2384

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.0987, 0.2720, 0.2659



Tritanopia

49.8587, 0.3789, 0.3162

Trichromacy



Original Color

49.8643, 0.3274, 0.2384



Protanomaly

48.9943, 0.2758, 0.2417



Deuteranomaly

49.0024, 0.2901, 0.2536



Tritanomaly

49.6827, 0.3599, 0.2859

Monochromacy



Original Color

49.8643, 0.3274, 0.2384



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.1429, 0.3187, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8643, 0.3274, 0.2384 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, 151, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 243)  
}
```

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, 151, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 243) }
```

Border

The CSS property to change the border of an element to Yxy 49.8643, 0.3274, 0.2384 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, 151, 243) }
```

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

```
.border{ border-color:rgb(255, 151, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 243); box-shadow:4px 4px 4px 4px rgb(255, 151, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8643, 0.3274, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 243) }
```

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

```
.background{ background-color: rgb(255,  
151, 243) }
```

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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