

Converting Colors

$Y_{xy}(48.9195, 0.4405, 0.3726)$

Have a look what the booklet for
Yxy(48.9195, 0.4405, 0.3726)
contains.

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Color

Yxy(48.8349, 0.4408, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	FFA379
RGB	255, 163, 121
RGB Percent	100%, 64%, 47%
CMY	0.0000, 0.3608, 0.5254
CMYK	0.00, 0.36, 0.53, 0.00
HSL	19°, 100%, 74%
HSV	19°, 53%, 100%
XYZ	57.7891, 48.8349, 24.4764
YIQ	185.7200, 68.3140, 6.4420

Conversions

Conversions Part 2

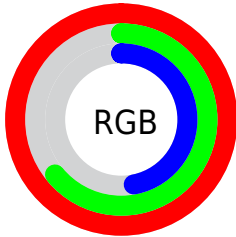
Format	Color
R _Y B	255, 182, 121
Decimal	16753529
CIE Lab	75.35, 29.84, 35.89
CIE LCh	75, 46.675, 50.259
Yxy	48.8349, 0.4408, 0.3725
Android (android.graphics.Color)	4294943609 (0xFFFFA379)
YUV	185.7200, -31.9070, 60.7586
Hunter-Lab	69.8820, 25.3175, 28.1508

Details

The Yxy color **48.8349, 0.4408, 0.3725** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.8826, 0.2346, 0.2778**, and the grayscale version is **49.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4588, 0.3717, 0.3743**, and **23.2089, 0.4764, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **42.4986, 0.4764, 0.3782**, and if you desaturate by 10%, it is **56.2023, 0.4083, 0.3649**.

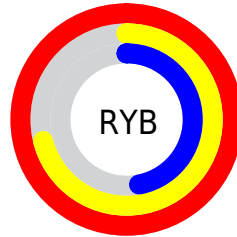
Distribution



Red (100%)

Green (64%)

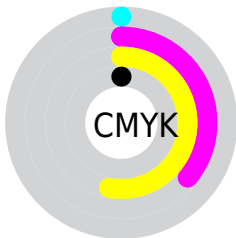
Blue (47%)



Red (100%)

Yellow (71%)

Blue (47%)

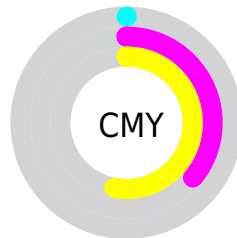


Cyan (0%)

Magenta (36%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8349, 0.4408, 0.3725 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 48.8349, 0.4408, 0.3725 by changing the saturation by 10% instead.


 48.8349, 0.4408,
0.3725


 48.8349, 0.4408,
0.3725

382.0920, 0.3773,
0.3548


 34.4885, 0.4560,
0.3755


 88.4462, 0.4181,
0.3671

 23.2692, 0.4750,
0.3785


 114.4799, 0.4095,
0.3647

 14.7924, 0.4992,
0.3811


 145.1782, 0.4021,
0.3626

 8.6738, 0.5306,
0.3820

180.9254, 0.3957,
0.3607

 4.5290, 0.5744,
0.3798

222.1061, 0.3902,
0.3590

 1.9737, 0.6336,
0.3664

269.1044, 0.3854,

 0.5921, 0.6991,

0.3575

0.3009

322.3049, 0.3811,
0.3560

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8349, 0.4408,
0.3725

48.8349, 0.4408,
0.3725

42.4986, 0.4764,
0.3782

56.2023, 0.4083,
0.3649

37.1374, 0.5133,
0.3808

64.6385, 0.3797,
0.3563

32.7010, 0.5486,
0.3790

74.1879, 0.3552,
0.3475

29.1302, 0.5785,
0.3723

84.8905, 0.3343,
0.3390

■ 26.9834, 0.5962,
0.3648

■ 96.7840, 0.3167,
0.3310

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



48.8349, 0.4219, 0.3235



48.8349, 0.4408, 0.3725



48.8349, 0.4212, 0.4175

Triad

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



48.8349, 0.4408, 0.3725



48.8349, 0.2530, 0.3864



48.8349, 0.2468, 0.2301

Complementary

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



48.8349, 0.4408, 0.3725



58.8826, 0.2346, 0.2778

Split Complementary

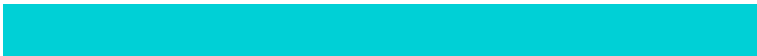
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.8349, 0.2108, 0.2357



48.8349, 0.4408, 0.3725



48.8349, 0.2134, 0.3198

Square

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



48.8349, 0.4408, 0.3725



48.8349, 0.3111, 0.4360



48.8349, 0.1992, 0.2655



48.8349, 0.3036, 0.2459

Rectangle

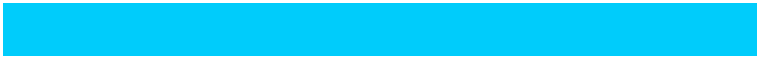
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8349, 0.4408, 0.3725



48.8349, 0.3913, 0.4389



48.8349, 0.1992, 0.2655



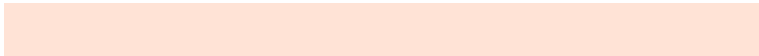
48.8349, 0.2322, 0.2295

Sweetspot

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



48.8374, 0.4408, 0.3725



81.0554, 0.3411, 0.3419



39.8364, 0.3573, 0.2360



16.8750, 0.3454, 0.3437



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.



48.8374, 0.4408, 0.3725



42.2313, 0.4781, 0.3784



78.2393, 0.4025, 0.4344



18.9157, 0.3286, 0.3365



14.3333, 0.5933, 0.3671



1.5811, 0.5712, 0.3847

Inverse Universe

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



58.8826, 0.2346, 0.2778



53.1174, 0.2222, 0.2655



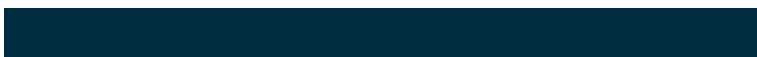
32.4094, 0.2175, 0.1931



19.4647, 0.2980, 0.3214



20.0910, 0.1953, 0.2231



2.1518, 0.1991, 0.2366

Previews

White Background



This preview shows how the Yxy color 48.8349, 0.4408, 0.3725 looks on a white background.

Color Contrast Check

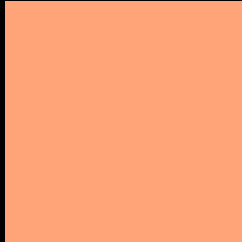
Large Text (above 18pt) WCAG AA × Fail

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 48.8349, 0.4408, 0.3725 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 48.8349, 0.4408, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 48.8349, 0.4408, 0.3725.



This preview shows how white text looks on a background with the Yxy color 48.8349, 0.4408, 0.3725.

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

48.8349, 0.4408, 0.3725

Protanopia

49.1470, 0.3713, 0.3995

Deuteranopia

48.9961, 0.4063, 0.3987



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

48.8349, 0.4408, 0.3725

Protanomaly

48.7452, 0.3960, 0.3894

Deuteranomaly

48.8812, 0.4185, 0.3894

Tritanomaly

48.6686, 0.4127, 0.3377

Monochromacy



Original Color

48.8349, 0.4408, 0.3725

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.2983, 0.3560, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8349, 0.4408, 0.3725 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, 163, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 121)  
}
```

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, 163, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 121) }
```

Border

The CSS property to change the border of an element to Yxy 48.8349, 0.4408, 0.3725 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, 163, 121) }
```

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

```
.border{ border-color:rgb(255, 163, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8349, 0.4408, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 121) }
```

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

```
.background{ background-color: rgb(255,  
163, 121) }
```

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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