

# Converting Colors

$Y_{xy}(49.5143, 0.4422, 0.3922)$

Have a look what the booklet for  
Yxy(49.5143, 0.4422, 0.3922)  
contains.

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# Color

**Yxy(49.5984, 0.4428, 0.3925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9A96C
RGB	249, 169, 108
RGB Percent	98%, 66%, 42%
CMY	0.0236, 0.3372, 0.5765
CMYK	0.00, 0.32, 0.57, 0.02
HSL	26°, 92%, 70%
HSV	26°, 57%, 98%
XYZ	55.9546, 49.5984, 20.8124
YIQ	185.9660, 67.2610, -2.0110

# Conversions

## Conversions Part 2

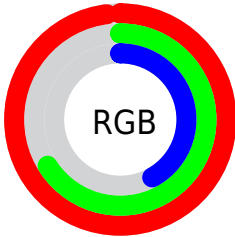
Format	Color
RYB	249, 216, 108
Decimal	16361836
CIELab	75.82, 23.27, 43.11
CIELCh	76, 48.985, 61.640
Yxy	49.5984, 0.4428, 0.3925
Android (android.graphics.Color)	4294551916 (0xFFFF9A96C)
YUV	185.9660, -38.4372, 55.2808
Hunter-Lab	70.4261, 18.5751, 31.7769

# Details

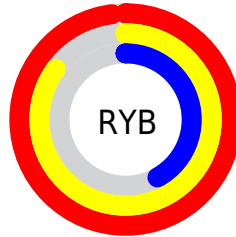
The Yxy color **49.5984, 0.4428, 0.3925** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.9741, 0.2248, 0.2505**, and the grayscale version is **49.2755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1445, 0.3789, 0.3933**, and **23.8469, 0.4758, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **44.1700, 0.4737, 0.3998**, and if you desaturate by 10%, it is **55.7505, 0.4134, 0.3825**.

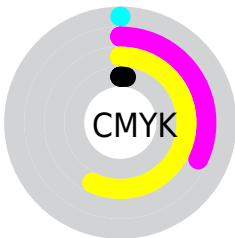
# Distribution



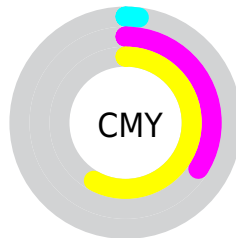
- Red (98%)
- Green (66%)
- Blue (42%)



- Red (98%)
- Yellow (85%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (57%)
- Black (2%)



- Cyan (2%)
- Magenta (34%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5984, 0.4428, 0.3925 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 49.5984, 0.4428, 0.3925 by changing the saturation by 10% instead.



 49.5984, 0.4428,  
0.3925


 49.5984, 0.4428,  
0.3925


385.0934, 0.3792,  
0.3655

 35.0944, 0.4576,  
0.3975


 89.5796, 0.4204,  
0.3840

 23.7356, 0.4758,  
0.4027


 115.8255, 0.4117,  
0.3804

 15.1376, 0.4983,  
0.4079


 146.7543, 0.4043,  
0.3772

 8.9160, 0.5264,  
0.4114

 182.7502, 0.3979,  
0.3743

 4.6864, 0.5726,  
0.4186

224.1976, 0.3924,  
0.3717

 2.0645, 0.6033,  
0.3967

271.4810, 0.3875,

 0.6445, 0.6558,

0.3694

0.3442

324.9848, 0.3831,  
0.3673

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.5984, 0.4428,  
0.3925

49.5984, 0.4428,  
0.3925

44.1700, 0.4737,  
0.3998

55.7505, 0.4134,  
0.3825

39.4267, 0.5043,  
0.4032


62.6479, 0.3865,  
0.3711

35.3367, 0.5326,  
0.4014

70.3198, 0.3625,  
0.3592

31.8602, 0.5561,  
0.3941

78.7918, 0.3415,  
0.3474

 30.8100, 0.5633,  
0.3909

 88.0880, 0.3233,  
0.3361

 98.0767, 0.3090,  
0.3278

 98.8746, 0.3090,  
0.3290

# Harmonies

## Analogous

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



49.5984, 0.4391, 0.3420



49.5984, 0.4428, 0.3925



49.5984, 0.4090, 0.4349

# Triad

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



49.5984, 0.4428, 0.3925



49.5984, 0.2319, 0.3626



49.5984, 0.2643, 0.2302

# Complementary

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



49.5984, 0.4428, 0.3925



45.9741, 0.2248, 0.2505

# 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.



49.5984, 0.2181, 0.2270



49.5984, 0.4428, 0.3925



49.5984, 0.2007, 0.2950

# Square

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



49.5984, 0.4428, 0.3925



49.5984, 0.2864, 0.4258



49.5984, 0.1964, 0.2478



49.5984, 0.3290, 0.2539



# Rectangle

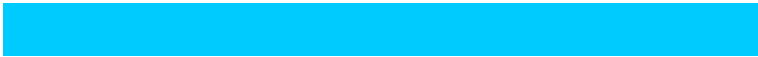
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5984, 0.4428, 0.3925



49.5984, 0.3722, 0.4505



49.5984, 0.1964, 0.2478



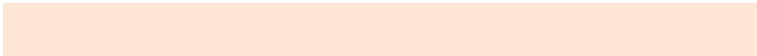
49.5984, 0.2463, 0.2267

# Sweetspot

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



49.6009, 0.4428, 0.3925



82.8198, 0.3423, 0.3479



34.5887, 0.3811, 0.2453



17.3284, 0.3463, 0.3502



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.



49.6009, 0.4428, 0.3925



45.8600, 0.4782, 0.4006



81.9162, 0.4001, 0.4545



18.4609, 0.3283, 0.3393



16.7663, 0.5605, 0.3931



1.7591, 0.5397, 0.4097



# Inverse Universe

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



45.9741, 0.2248, 0.2505



41.6169, 0.2099, 0.2311



23.3995, 0.2054, 0.1604



18.2770, 0.2980, 0.3185



14.1815, 0.1835, 0.1806



1.5242, 0.1889, 0.1999



# Previews

## White Background



This preview shows how the Yxy color 49.5984, 0.4428, 0.3925 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 49.5984, 0.4428, 0.3925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

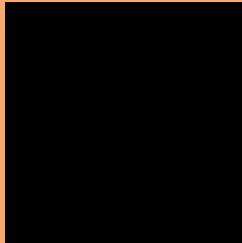
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.5984, 0.4428, 0.3925**

## Background



This preview shows how black text looks on a background with the Yxy color 49.5984, 0.4428, 0.3925.



This preview shows how white text looks on a background with the Yxy color 49.5984, 0.4428, 0.3925.

# 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

49.5984, 0.4428, 0.3925

### Protanopia

49.7576, 0.3863, 0.4174

### Deuteranopia

49.7748, 0.4189, 0.4112



## Tritanopia

49.5777, 0.3905, 0.3165

# Trichromacy



## Original Color

49.5984, 0.4428, 0.3925

## Protanomaly

49.1845, 0.4072, 0.4082

## Deuteranomaly

49.5543, 0.4280, 0.4034

## Tritanomaly

49.4163, 0.4111, 0.3452

# Monochromacy



## Original Color

49.5984, 0.4428, 0.3925

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.6664, 0.3571, 0.3562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5984, 0.4428, 0.3925 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(249, 169, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 169, 108)  
}
```

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(249, 169, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 169, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5984, 0.4428, 0.3925 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(249, 169, 108) }
```

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

```
.border{ border-color:rgb(249, 169, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 169, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 169, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 169, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 169,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5984, 0.4428, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 169, 108) }
```

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

```
.background{ background-color: rgb(249,  
169, 108) }
```

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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