

# Converting Colors

Yxy(53.0642, 0.4642, 0.3829)

Have a look what the booklet for  
Yxy(53.0642, 0.4642, 0.3829)  
contains.

<b>Yxy(49.6366, 0.4493, 0.3869)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.6366, 0.4493, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA66D
RGB	255, 166, 109
RGB Percent	100%, 65%, 43%
CMY	0.0000, 0.3490, 0.5725
CMYK	0.00, 0.35, 0.57, 0.00
HSL	23°, 100%, 71%
HSV	23°, 57%, 100%
XYZ	57.6421, 49.6366, 21.0144
YIQ	186.1130, 71.3410, 1.1410

# Conversions

## Conversions Part 2

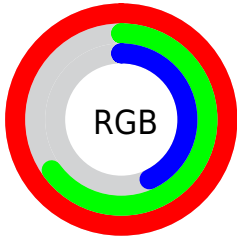
Format	Color
R <sub>Y</sub> B	255, 203, 109
Decimal	16754285
CIE Lab	75.85, 27.34, 42.77
CIE LCh	76, 50.764, 57.417
Yxy	49.6366, 0.4493, 0.3869
Android (android.graphics.Color)	4294944365 (0xFFFFA66D)
YUV	186.1130, -38.0167, 60.4139
Hunter-Lab	70.4532, 22.7485, 31.6326

# Details

The Yxy color **49.6366, 0.4493, 0.3869** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.8685, 0.2256, 0.2576**, and the grayscale version is **49.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5815, 0.3793, 0.3894**, and **23.8197, 0.4836, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **43.8492, 0.4822, 0.3930**, and if you desaturate by 10%, it is **56.2649, 0.4181, 0.3781**.

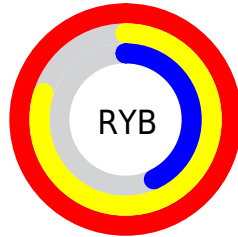
# Distribution



Red (100%)

Green (65%)

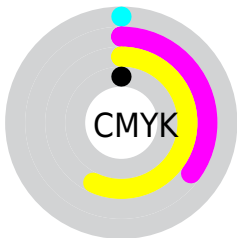
Blue (43%)



Red (100%)

Yellow (80%)

Blue (43%)

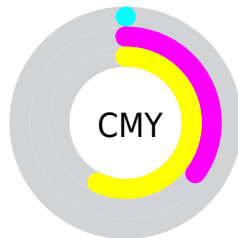


Cyan (0%)

Magenta (35%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6366, 0.4493, 0.3869 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 49.6366, 0.4493, 0.3869 by changing the saturation by 10% instead.




 49.6366, 0.4493,  
0.3869


 49.6366, 0.4493,  
0.3869


385.2431, 0.3824,  
0.3630


 35.1247, 0.4649,  
0.3910


 89.6362, 0.4257,  
0.3796


 23.7590, 0.4841,  
0.3952


 115.8928, 0.4166,  
0.3764

 15.1549, 0.5080,  
0.3988


 146.8330, 0.4088,  
0.3736

 8.9282, 0.5379,  
0.4003

 182.8413, 0.4021,  
0.3710

 4.6944, 0.5857,  
0.4035

224.3020, 0.3962,  
0.3687

 2.0691, 0.6211,  
0.3789

271.5997, 0.3911,

 0.6472, 0.6782,

0.3666

0.3218

325.1186, 0.3865,  
0.3647

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.6366, 0.4493,  
0.3869

49.6366, 0.4493,  
0.3869

43.8492, 0.4822,  
0.3930

56.2649, 0.4181,  
0.3781

38.8667, 0.5150,  
0.3952

63.7720, 0.3898,  
0.3679

34.6459, 0.5450,  
0.3922

72.1906, 0.3648,  
0.3571

31.1379, 0.5696,  
0.3838

81.5517, 0.3431,  
0.3463

■ 30.2851, 0.5757,  
0.3811

■ 91.8851, 0.3245,  
0.3361

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



49.6366, 0.4396, 0.3347



49.6366, 0.4493, 0.3869



49.6366, 0.4188, 0.4331

# Triad

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



49.6366, 0.4493, 0.3869



49.6366, 0.2358, 0.3742



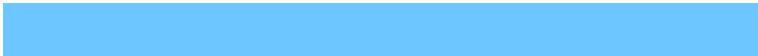
49.6366, 0.2544, 0.2254

# Complementary

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



49.6366, 0.4493, 0.3869



50.8685, 0.2256, 0.2576

# 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.



49.6366, 0.2104, 0.2252



49.6366, 0.4493, 0.3869



49.6366, 0.2000, 0.3024

# Square

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



49.6366, 0.4493, 0.3869



49.6366, 0.2944, 0.4365



49.6366, 0.1918, 0.2501



49.6366, 0.3194, 0.2470



# Rectangle

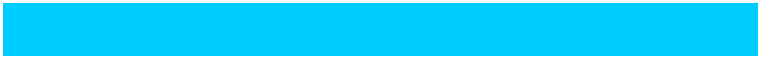
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6366, 0.4493, 0.3869



49.6366, 0.3825, 0.4526



49.6366, 0.1918, 0.2501



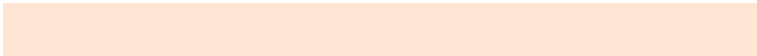
49.6366, 0.2371, 0.2228

# Sweetspot

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



49.6357, 0.4493, 0.3869



81.7972, 0.3426, 0.3461



36.3258, 0.3766, 0.2399



17.0879, 0.3467, 0.3482



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.



49.6357, 0.4493, 0.3869



42.9199, 0.4880, 0.3937



83.4951, 0.4037, 0.4520



19.1499, 0.3285, 0.3383



16.0936, 0.5728, 0.3834

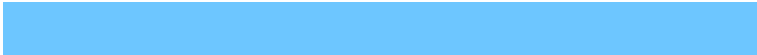


1.7719, 0.5517, 0.4001



# Inverse Universe

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



50.8685, 0.2256, 0.2576



44.1380, 0.2113, 0.2397



25.4057, 0.2052, 0.1638



19.2212, 0.2979, 0.3195



16.4021, 0.1876, 0.1955



1.8096, 0.1923, 0.2123



# Previews

## White Background



This preview shows how the Yxy color 49.6366, 0.4493, 0.3869 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 49.6366, 0.4493, 0.3869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

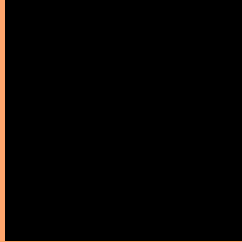
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6366, 0.4493, 0.3869**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6366, 0.4493, 0.3869.



This preview shows how white text looks on a background with the Yxy color 49.6366, 0.4493, 0.3869.

# 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

49.6366, 0.4493, 0.3869

### Protanopia

49.6624, 0.3838, 0.4154

### Deuteranopia

49.7748, 0.4189, 0.4112



## Tritanopia

49.7283, 0.3924, 0.3177

# Trichromacy



**Original Color**

49.6366, 0.4493, 0.3869

**Protanomaly**

49.1431, 0.4081, 0.4044

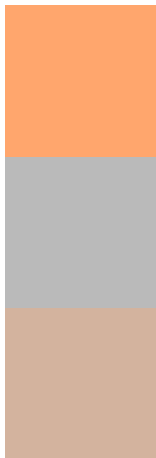
**Deuteranomaly**

49.5108, 0.4305, 0.4018

**Tritanomaly**

49.6243, 0.4143, 0.3440

# Monochromacy



**Original Color**

49.6366, 0.4493, 0.3869

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.5577, 0.3592, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6366, 0.4493, 0.3869 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, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 109)  
}
```

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, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6366, 0.4493, 0.3869 is called "border". The border property can be set on classes, ids or directly on the HTML element.

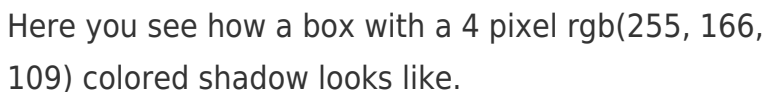
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 166, 109) }
```

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

```
.border{ border-color:rgb(255, 166, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6366, 0.4493, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 109) }
```

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

```
.background{ background-color: rgb(255,  
166, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor