

# Converting Colors

$Y_{xy}(49.1923, 0.4433, 0.3774)$

Have a look what the booklet for  
Yxy(49.1923, 0.4433, 0.3774)  
contains.

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# Color

**Yxy(49.0953, 0.4438, 0.3774)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA475
RGB	255, 164, 117
RGB Percent	100%, 64%, 46%
CMY	0.0000, 0.3569, 0.5412
CMYK	0.00, 0.36, 0.54, 0.00
HSL	20°, 100%, 73%
HSV	20°, 54%, 100%
XYZ	57.7332, 49.0953, 23.2598
YIQ	185.8510, 69.3230, 4.6750

# Conversions

## Conversions Part 2

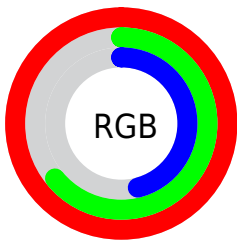
Format	Color
R <sub>YB</sub>	255, 188, 117
Decimal	16753781
CIE Lab	75.51, 29.00, 38.22
CIE LCh	76, 47.979, 52.805
Yxy	49.0953, 0.4438, 0.3774
Android (android.graphics.Color)	4294943861 (0xFFFFA475)
YUV	185.8510, -33.9435, 60.6437
Hunter-Lab	70.0680, 24.4575, 29.3657

# Details

The Yxy color **49.0953, 0.4438, 0.3774** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.1117, 0.2316, 0.2711**, and the grayscale version is **49.1759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8253, 0.3743, 0.3794**, and **23.3883, 0.4787, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **42.9468, 0.4785, 0.3833**, and if you desaturate by 10%, it is **56.1979, 0.4117, 0.3693**.

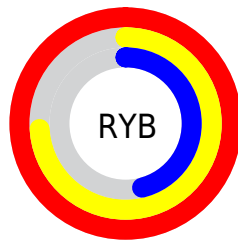
# Distribution



Red (100%)

Green (64%)

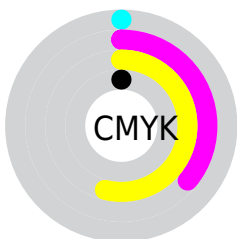
Blue (46%)



Red (100%)

Yellow (74%)

Blue (46%)

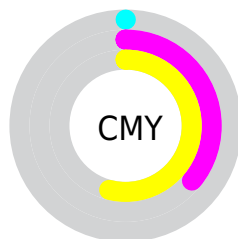


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0953, 0.4438, 0.3774 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 49.0953, 0.4438, 0.3774 by changing the saturation by 10% instead.




 49.0953, 0.4438,  
0.3774


 49.0953, 0.4438,  
0.3774


383.1174, 0.3791,  
0.3576


 34.6951, 0.4592,  
0.3808


 88.8330, 0.4207,  
0.3713

 23.4281, 0.4783,  
0.3842


 114.9392, 0.4119,  
0.3687

 14.9099, 0.5025,  
0.3872


 145.7163, 0.4044,  
0.3663

 8.7562, 0.5335,  
0.3883

181.5485, 0.3979,  
0.3642

 4.5825, 0.5783,  
0.3877

222.8204, 0.3923,  
0.3623

 2.0044, 0.6294,  
0.3706

269.9162, 0.3873,

 0.6101, 0.6921,

0.3606

0.3079

323.2204, 0.3830,  
0.3590

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.0953, 0.4438,  
0.3774

49.0953, 0.4438,  
0.3774

42.9468, 0.4785,  
0.3833

56.1979, 0.4117,  
0.3693

37.7153, 0.5141,  
0.3858

64.3034, 0.3831,  
0.3601

33.3494, 0.5476,  
0.3836

73.4481, 0.3584,  
0.3506

29.7945, 0.5757,  
0.3763

83.6686, 0.3372,  
0.3413

■ 28.0517, 0.5893,  
0.3703

■ 94.9994, 0.3193,  
0.3325

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.



49.0953, 0.4280, 0.3274



49.0953, 0.4438, 0.3774



49.0953, 0.4205, 0.4228

# Triad

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



49.0953, 0.4438, 0.3774



49.0953, 0.2471, 0.3824



49.0953, 0.2494, 0.2285

# Complementary

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



49.0953, 0.4438, 0.3774



56.1117, 0.2316, 0.2711

# 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.



49.0953, 0.2106, 0.2321



49.0953, 0.4438, 0.3774



49.0953, 0.2088, 0.3138

# Square

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



49.0953, 0.4438, 0.3774



49.0953, 0.3054, 0.4363



49.0953, 0.1967, 0.2602



49.0953, 0.3089, 0.2463



# Rectangle

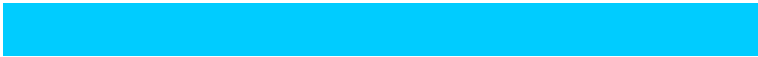
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0953, 0.4438, 0.3774



49.0953, 0.3884, 0.4435



49.0953, 0.1967, 0.2602



49.0953, 0.2338, 0.2271

# Sweetspot

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



49.0928, 0.4438, 0.3774



81.6647, 0.3410, 0.3430



38.5838, 0.3641, 0.2377



17.0192, 0.3452, 0.3449



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.



49.0928, 0.4438, 0.3774



42.4511, 0.4817, 0.3837



80.2565, 0.4027, 0.4409



18.9982, 0.3286, 0.3372



14.9050, 0.5863, 0.3727

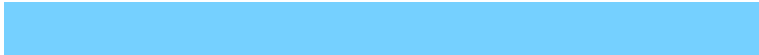


1.6445, 0.5644, 0.3901



# Inverse Universe

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



56.1117, 0.2316, 0.2711



49.9960, 0.2185, 0.2570



29.7552, 0.2132, 0.1825



19.3784, 0.2980, 0.3207



18.7236, 0.1926, 0.2133



2.0260, 0.1967, 0.2280



# Previews

## White Background



This preview shows how the Yxy color 49.0953, 0.4438, 0.3774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

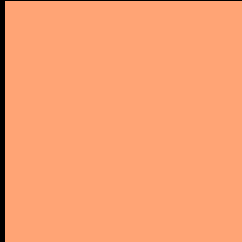
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0953, 0.4438, 0.3774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

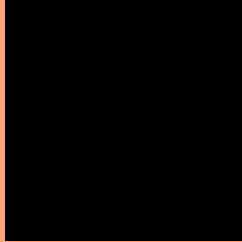
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0953, 0.4438, 0.3774**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0953, 0.4438, 0.3774.



This preview shows how white text looks on a background with the Yxy color 49.0953, 0.4438, 0.3774.

# 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

49.0953, 0.4438, 0.3774

### Protanopia

49.1807, 0.3754, 0.4042

### Deuteranopia

49.2244, 0.4114, 0.4024



## Tritanopia

48.9586, 0.3951, 0.3177

# Trichromacy



**Original Color**

49.0953, 0.4438, 0.3774

**Protanomaly**

48.6430, 0.3994, 0.3939

**Deuteranomaly**

49.1295, 0.4237, 0.3930

**Tritanomaly**

48.9841, 0.4133, 0.3398

# Monochromacy



**Original Color**

49.0953, 0.4438, 0.3774

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.2629, 0.3569, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0953, 0.4438, 0.3774 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, 164, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 117)  
}
```

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, 164, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0953, 0.4438, 0.3774 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, 164, 117) }
```

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

```
.border{ border-color:rgb(255, 164, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0953, 0.4438, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 117) }
```

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

```
.background{ background-color: rgb(255,  
164, 117) }
```

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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