

# Converting Colors

$Y_{xy}(48.5011, 0.4437, 0.3743)$

Have a look what the booklet for  
Yxy(48.5011, 0.4437, 0.3743)  
contains.

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# Color

**Yxy(48.4087, 0.4442, 0.3744)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA276
RGB	255, 162, 118
RGB Percent	100%, 64%, 46%
CMY	0.0000, 0.3647, 0.5373
CMYK	0.00, 0.36, 0.54, 0.00
HSL	19°, 100%, 73%
HSV	19°, 54%, 100%
XYZ	57.4336, 48.4087, 23.4544
YIQ	184.7910, 69.5520, 6.0320

# Conversions

## Conversions Part 2

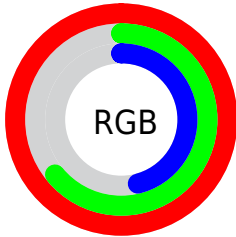
Format	Color
R <sub>Y</sub> B	255, 183, 118
Decimal	16753270
CIE Lab	75.08, 30.12, 37.15
CIE LCh	75, 47.823, 50.965
Yxy	48.4087, 0.4442, 0.3744
Android (android.graphics.Color)	4294943350 (0xFFFFA276)
YUV	184.7910, -32.9280, 61.5733
Hunter-Lab	69.5764, 25.5888, 28.7166

# Details

The Yxy color **48.4087, 0.4442, 0.3744** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.6574, 0.2329, 0.2750**, and the grayscale version is **48.5500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8260, 0.3742, 0.3764**, and **22.9691, 0.4797, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **42.1979, 0.4797, 0.3800**, and if you desaturate by 10%, it is **55.6229, 0.4115, 0.3667**.

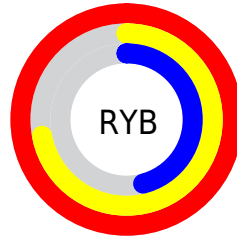
# Distribution



Red (100%)

Green (64%)

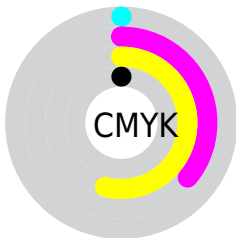
Blue (46%)



Red (100%)

Yellow (72%)

Blue (46%)

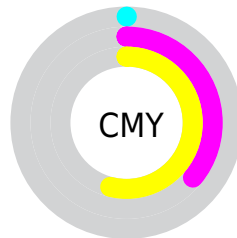


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4087, 0.4442, 0.3744 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 48.4087, 0.4442, 0.3744 by changing the saturation by 10% instead.




 48.4087, 0.4442,  
0.3744

 48.4087, 0.4442,  
0.3744

380.4098, 0.3790,  
0.3559


 34.1507, 0.4598,  
0.3775


 87.8126, 0.4209,  
0.3688

 23.0094, 0.4792,  
0.3806


 113.7273, 0.4120,  
0.3664

 14.6004, 0.5039,  
0.3830


 144.2962, 0.4045,  
0.3642

 8.5394, 0.5356,  
0.3836

179.9039, 0.3980,  
0.3622

 4.4420, 0.5815,  
0.3819

220.9348, 0.3923,  
0.3604

 1.9238, 0.6359,  
0.3641

267.7731, 0.3873,

 0.5626, 0.7053,

0.3588

0.2947

320.8033, 0.3829,  
0.3573

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.4087, 0.4442,  
0.3744

48.4087, 0.4442,  
0.3744

42.1979, 0.4797,  
0.3800

55.6229, 0.4115,  
0.3667

36.9427, 0.5162,  
0.3823

63.8844, 0.3827,  
0.3580

32.5910, 0.5507,  
0.3800

73.2347, 0.3578,  
0.3491

29.0844, 0.5796,  
0.3727

83.7127, 0.3366,  
0.3403

■ 27.2802, 0.5943,  
0.3664

■ 95.3554, 0.3187,  
0.3320

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.



48.4087, 0.4259, 0.3243



48.4087, 0.4442, 0.3744



48.4087, 0.4230, 0.4205

# Triad

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



48.4087, 0.4442, 0.3744



48.4087, 0.2501, 0.3865



48.4087, 0.2462, 0.2279

# Complementary

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



48.4087, 0.4442, 0.3744



57.6574, 0.2329, 0.2750

# 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.



48.4087, 0.2089, 0.2329



48.4087, 0.4442, 0.3744



48.4087, 0.2103, 0.3178

# Square

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



48.4087, 0.4442, 0.3744



48.4087, 0.3094, 0.4386



48.4087, 0.1965, 0.2627



48.4087, 0.3048, 0.2445



# Rectangle

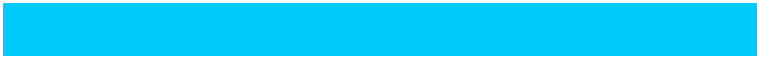
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4087, 0.4442, 0.3744



48.4087, 0.3918, 0.4423



48.4087, 0.1965, 0.2627



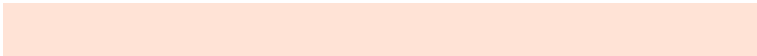
48.4087, 0.2311, 0.2270

# Sweetspot

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



48.4088, 0.4442, 0.3744



81.2303, 0.3411, 0.3422



38.9499, 0.3611, 0.2362



16.9164, 0.3453, 0.3440



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.



48.4088, 0.4442, 0.3744



42.0421, 0.4807, 0.3801



79.0962, 0.4033, 0.4384



18.9394, 0.3286, 0.3367



14.4922, 0.5913, 0.3687



1.5989, 0.5693, 0.3862



# Inverse Universe

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



57.6574, 0.2329, 0.2750



51.9994, 0.2207, 0.2626



30.7502, 0.2146, 0.1866



19.4398, 0.2980, 0.3212



19.6905, 0.1945, 0.2203



2.1151, 0.1984, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 48.4087, 0.4442, 0.3744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

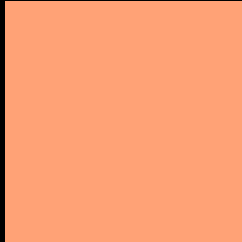
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4087, 0.4442, 0.3744 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 48.4087, 0.4442, 0.3744**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4087, 0.4442, 0.3744.



This preview shows how white text looks on a background with the Yxy color 48.4087, 0.4442, 0.3744.

# 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

48.4087, 0.4442, 0.3744

### Protanopia

48.5096, 0.3732, 0.4023

### Deuteranopia

48.5294, 0.4094, 0.4009



## Tritanopia

48.5409, 0.3975, 0.3187

# Trichromacy



## Original Color

48.4087, 0.4442, 0.3744



## Protanomaly

48.1152, 0.3981, 0.3919



## Deuteranomaly

48.4282, 0.4217, 0.3914



## Tritanomaly

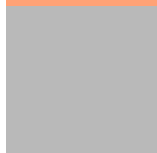
48.2583, 0.4152, 0.3388

# Monochromacy



## Original Color

48.4087, 0.4442, 0.3744



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

47.7191, 0.3562, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4087, 0.4442, 0.3744 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, 162, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 118)  
}
```

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, 162, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4087, 0.4442, 0.3744 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, 162, 118) }
```

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

```
.border{ border-color:rgb(255, 162, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4087, 0.4442, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 118) }
```

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

```
.background{ background-color: rgb(255,  
162, 118) }
```

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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