

# Converting Colors

$Yxy(48.9016, 0.4355, 0.3664)$

Have a look what the booklet for  
Yxy(48.9016, 0.4355, 0.3664)  
contains.

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# Color

**Yxy(48.9867, 0.4353, 0.3666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA37F
RGB	255, 163, 127
RGB Percent	100%, 64%, 50%
CMY	0.0000, 0.3607, 0.5019
CMYK	0.00, 0.36, 0.50, 0.00
HSL	17°, 100%, 75%
HSV	17°, 50%, 100%
XYZ	58.1667, 48.9867, 26.4710
YIQ	186.4040, 66.3880, 8.3080

# Conversions

## Conversions Part 2

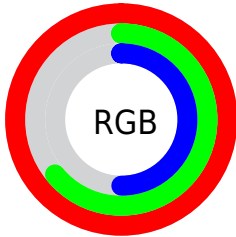
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 177, 127
Decimal	16753535
CIE <sub>Lab</sub>	75.44, 30.35, 32.84
CIE <sub>LCh</sub>	75, 44.716, 47.250
Yxy	48.9867, 0.4353, 0.3666
Android (android.graphics.Color)	4294943615 (0xFFFFA37F)
YUV	186.4040, -29.2862, 60.1587
Hunter-Lab	69.9905, 25.8618, 26.5694

# Details

The Yxy color **48.9867, 0.4353, 0.3666** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.3917, 0.2387, 0.2856**, and the grayscale version is **49.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2183, 0.3671, 0.3691**, and **23.2898, 0.4694, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **42.3624, 0.4716, 0.3721**, and if you desaturate by 10%, it is **56.7272, 0.4027, 0.3595**.

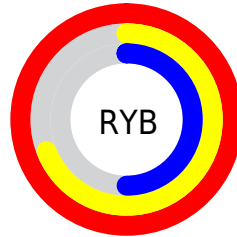
# Distribution



Red (100%)

Green (64%)

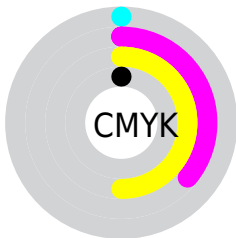
Blue (50%)



Red (100%)

Yellow (69%)

Blue (50%)

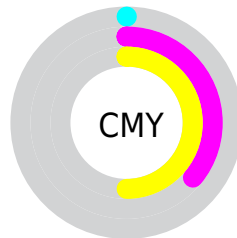


Cyan (0%)

Magenta (36%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9867, 0.4353, 0.3666 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 48.9867, 0.4353, 0.3666 by changing the saturation by 10% instead.





 48.9867, 0.4353,  
0.3666

 48.9867, 0.4353,  
0.3666


382.6900, 0.3744,  
0.3513

 34.6089, 0.4500,  
0.3692


 88.6717, 0.4134,  
0.3619

 23.3618, 0.4685,  
0.3718


 114.7477, 0.4051,  
0.3599

 14.8609, 0.4922,  
0.3740


 145.4919, 0.3981,  
0.3581

 8.7218, 0.5234,  
0.3747

181.2888, 0.3920,  
0.3565

 4.5602, 0.5656,  
0.3716

222.5226, 0.3867,  
0.3550

 1.9916, 0.6354,  
0.3646

269.5778, 0.3821,

 0.6026, 0.7002,

0.3537

0.2998

322.8388, 0.3780,  
0.3525

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.9867, 0.4353,  
0.3666

48.9867, 0.4353,  
0.3666

42.3624, 0.4716,  
0.3721

56.7272, 0.4027,  
0.3595

36.7937, 0.5099,  
0.3749

65.6261, 0.3744,  
0.3517

32.2249, 0.5473,  
0.3737

75.7323, 0.3503,  
0.3439

28.5913, 0.5797,  
0.3680

87.0896, 0.3300,  
0.3363

■ 25.8582, 0.6039,  
0.3587

99.7395, 0.3130,  
0.3291

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



48.9867, 0.4134, 0.3194



48.9867, 0.4353, 0.3666



48.9867, 0.4203, 0.4105

# Triad

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



48.9867, 0.4353, 0.3666



48.9867, 0.2606, 0.3898



48.9867, 0.2450, 0.2334

# Complementary

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



48.9867, 0.4353, 0.3666



62.3917, 0.2387, 0.2856

# 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.



48.9867, 0.2124, 0.2412



48.9867, 0.4353, 0.3666



48.9867, 0.2201, 0.3267

# Square

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



48.9867, 0.4353, 0.3666



48.9867, 0.3176, 0.4338



48.9867, 0.2038, 0.2726



48.9867, 0.2980, 0.2466



# Rectangle

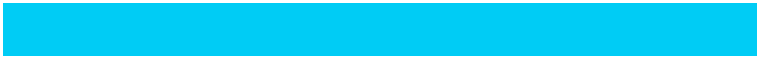
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



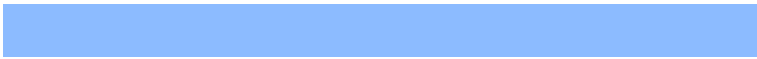
48.9867, 0.4353, 0.3666



48.9867, 0.3933, 0.4321



48.9867, 0.2038, 0.2726



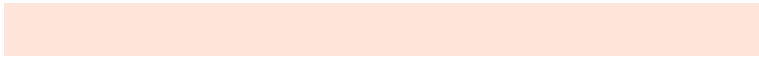
48.9867, 0.2316, 0.2335

# Sweetspot

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



48.9892, 0.4353, 0.3666



81.4739, 0.3393, 0.3399



41.6531, 0.3503, 0.2359



16.9313, 0.3436, 0.3415



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.



48.9892, 0.4353, 0.3666



42.4814, 0.4709, 0.3720



76.7123, 0.4005, 0.4266



18.8188, 0.3287, 0.3358



13.7282, 0.6010, 0.3610



1.5120, 0.5790, 0.3785



# Inverse Universe

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



62.3917, 0.2387, 0.2856



57.1132, 0.2270, 0.2755



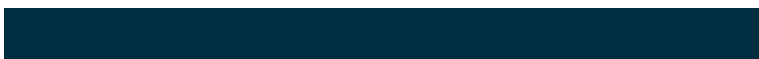
35.8031, 0.2231, 0.2056



19.5669, 0.2980, 0.3222



21.7932, 0.1985, 0.2346



2.3071, 0.2019, 0.2466



# Previews

## White Background



This preview shows how the Yxy color 48.9867, 0.4353, 0.3666 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 48.9867, 0.4353, 0.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

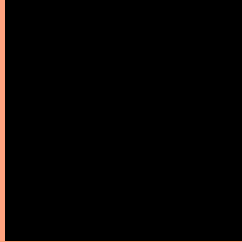
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9867, 0.4353, 0.3666**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9867, 0.4353, 0.3666.



This preview shows how white text looks on a background with the Yxy color 48.9867, 0.4353, 0.3666.

# 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

48.9867, 0.4353, 0.3666

### Protanopia

49.2033, 0.3647, 0.3910

### Deuteranopia

48.9840, 0.4004, 0.3923



## Tritanopia

48.9586, 0.3951, 0.3177

# Trichromacy



**Original Color**

48.9867, 0.4353, 0.3666

**Protanomaly**

48.7499, 0.3899, 0.3826

**Deuteranomaly**

49.0300, 0.4133, 0.3830

**Tritanomaly**

48.7347, 0.4107, 0.3356

# Monochromacy



**Original Color**

48.9867, 0.4353, 0.3666

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.4063, 0.3533, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9867, 0.4353, 0.3666 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9867, 0.4353, 0.3666 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, 127) }
```

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

```
.border{ border-color:rgb(255, 163, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9867, 0.4353, 0.3666 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
163, 127) }
```

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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