

# Converting Colors

$Y_{xy}(47.3687, 0.4575, 0.3848)$

Have a look what the booklet for  
Yxy(47.3687, 0.4575, 0.3848)  
contains.

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# Color

**Yxy(47.4215, 0.4570, 0.3845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA069
RGB	255, 160, 105
RGB Percent	100%, 63%, 41%
CMY	0.0000, 0.3725, 0.5882
CMYK	0.00, 0.37, 0.59, 0.00
HSL	22°, 100%, 71%
HSV	22°, 59%, 100%
XYZ	56.3631, 47.4215, 19.5483
YIQ	182.1350, 74.2750, 3.0350

# Conversions

## Conversions Part 2

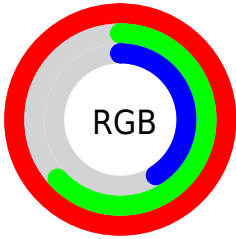
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 192, 105
Decimal	16752745
CIE <sub>Lab</sub>	74.46, 30.16, 43.14
CIE <sub>LCh</sub>	74, 52.636, 55.037
Yxy	47.4215, 0.4570, 0.3845
Android (android.graphics.Color)	4294942825 (0xFFFFA069)
YUV	182.1350, -38.0276, 63.9026
Hunter-Lab	68.8633, 25.5878, 31.3736

# Details

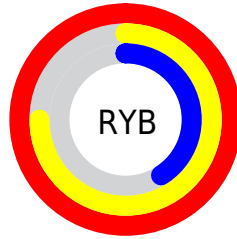
The Yxy color **47.4215, 0.4570, 0.3845** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.5338, 0.2246, 0.2599**, and the grayscale version is **47.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2952, 0.3851, 0.3887**, and **22.4800, 0.4935, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **41.7336, 0.4912, 0.3896**, and if you desaturate by 10%, it is **53.9958, 0.4245, 0.3766**.

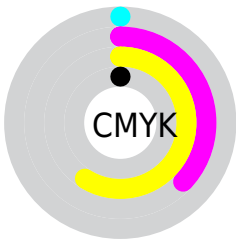
# Distribution



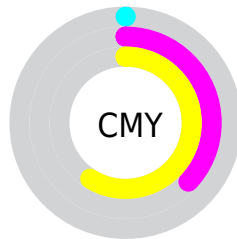
- Red (100%)
- Green (63%)
- Blue (41%)



- Red (100%)
- Yellow (75%)
- Blue (41%)



- Cyan (0%)
- Magenta (37%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4215, 0.4570, 0.3845 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 47.4215, 0.4570, 0.3845 by changing the saturation by 10% instead.





 47.4215, 0.4570,  
0.3845

 47.4215, 0.4570,  
0.3845


376.4945, 0.3858,  
0.3622

 33.3690, 0.4737,  
0.3881


 86.3424, 0.4318,  
0.3778


 22.4093, 0.4943,  
0.3914


 111.9797, 0.4221,  
0.3749

 14.1579, 0.5199,  
0.3938


 142.2473, 0.4138,  
0.3722

 8.2306, 0.5519,  
0.3933

 177.5296, 0.4067,  
0.3698

 4.2429, 0.6053,  
0.3947

218.2111, 0.4004,  
0.3676

 1.8103, 0.6387,  
0.3613

264.6762, 0.3950,

 0.4936, 0.7186,

0.3656

0.2814

317.3092, 0.3901,  
0.3638

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.4215, 0.4570,  
0.3845

47.4215, 0.4570,  
0.3845

41.7336, 0.4912,  
0.3896

53.9958, 0.4245,  
0.3766

36.8870, 0.5249,  
0.3905

61.4928, 0.3950,  
0.3671

32.8358, 0.5552,  
0.3862

69.9499, 0.3690,  
0.3570

29.5234, 0.5796,  
0.3770

79.4014, 0.3465,  
0.3469

■ 29.1763, 0.5823,  
0.3759

■ 89.8797, 0.3273,  
0.3371

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.



47.4215, 0.4435, 0.3301



47.4215, 0.4570, 0.3845



47.4215, 0.4274, 0.4343

# Triad

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



47.4215, 0.4570, 0.3845



47.4215, 0.2359, 0.3828



47.4215, 0.2469, 0.2199

# Complementary

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



47.4215, 0.4570, 0.3845



51.5338, 0.2246, 0.2599

# 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.



47.4215, 0.2032, 0.2215



47.4215, 0.4570, 0.3845



47.4215, 0.1967, 0.3060

# Square

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



47.4215, 0.4570, 0.3845



47.4215, 0.2985, 0.4464



47.4215, 0.1861, 0.2493



47.4215, 0.3136, 0.2408



# Rectangle

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



47.4215, 0.4570, 0.3845



47.4215, 0.3904, 0.4571



47.4215, 0.1861, 0.2493



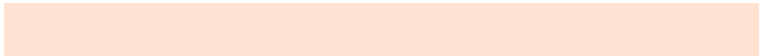
47.4215, 0.2295, 0.2178

# Sweetspot

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



47.4224, 0.4570, 0.3845



80.2228, 0.3448, 0.3461



35.6524, 0.3733, 0.2334



16.5547, 0.3509, 0.3490



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.



47.4224, 0.4570, 0.3845



40.6074, 0.4987, 0.3902



80.2756, 0.4087, 0.4508



19.0776, 0.3285, 0.3378



15.5045, 0.5793, 0.3782



1.7094, 0.5578, 0.3953



# Inverse Universe

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



51.5338, 0.2246, 0.2599



44.9044, 0.2106, 0.2426



25.5331, 0.2035, 0.1648



19.2959, 0.2980, 0.3201



17.4782, 0.1900, 0.2039



1.9104, 0.1944, 0.2198



# Previews

## White Background



This preview shows how the Yxy color 47.4215, 0.4570, 0.3845 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 47.4215, 0.4570, 0.3845 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 47.4215, 0.4570, 0.3845**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4215, 0.4570, 0.3845.



This preview shows how white text looks on a background with the Yxy color 47.4215, 0.4570, 0.3845.

# 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

47.4215, 0.4570, 0.3845

### Protanopia

47.7752, 0.3839, 0.4169

### Deuteranopia

47.4665, 0.4211, 0.4123



## Tritanopia

47.4193, 0.4016, 0.3187

# Trichromacy



## Original Color

47.4215, 0.4570, 0.3845

## Protanomaly

47.0233, 0.4101, 0.4042

## Deuteranomaly

47.3909, 0.4338, 0.4024

## Tritanomaly

47.3571, 0.4232, 0.3440

# Monochromacy



## Original Color

47.4215, 0.4570, 0.3845

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.1605, 0.3624, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4215, 0.4570, 0.3845 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, 160, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 105)  
}
```

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, 160, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4215, 0.4570, 0.3845 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, 160, 105) }
```

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

```
.border{ border-color:rgb(255, 160, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4215, 0.4570, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 105) }
```

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

```
.background{ background-color: rgb(255,  
160, 105) }
```

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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