

# Converting Colors

$Yxy(47.5706, 0.4298, 0.3798)$

Have a look what the booklet for  
Yxy(47.5706, 0.4298, 0.3798)  
contains.

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# Color

**Yxy(47.6590, 0.4301, 0.3801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3A677
RGB	243, 166, 119
RGB Percent	95%, 65%, 47%
CMY	0.0470, 0.3490, 0.5335
CMYK	0.00, 0.32, 0.51, 0.05
HSL	23°, 84%, 71%
HSV	23°, 51%, 95%
XYZ	53.9283, 47.6590, 23.7982
YIQ	183.6650, 60.9790, 1.7070

# Conversions

## Conversions Part 2

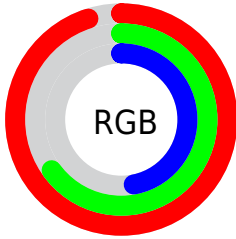
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 195, 119
Decimal	15967863
CIE <sub>Lab</sub>	74.61, 23.37, 35.75
CIE <sub>LCh</sub>	75, 42.713, 56.821
Yxy	47.6590, 0.4301, 0.3801
Android (android.graphics.Color)	4294157943 (0xFFFF3A677)
YUV	183.6650, -31.8798, 52.0368
Hunter-Lab	69.0355, 18.6262, 27.8862

# Details

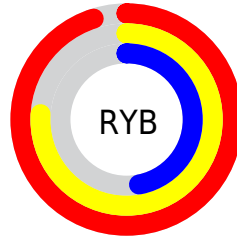
The Yxy color **47.6590, 0.4301, 0.3801** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.8561, 0.2346, 0.2688**, and the grayscale version is **47.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9515, 0.3722, 0.3793**, and **22.6672, 0.4612, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **41.9835, 0.4625, 0.3878**, and if you desaturate by 10%, it is **54.1317, 0.4004, 0.3706**.

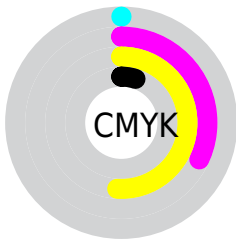
# Distribution



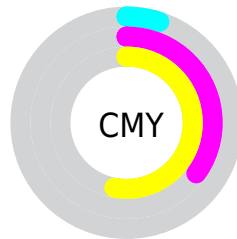
- Red (95%)
- Green (65%)
- Blue (47%)



- Red (95%)
- Yellow (76%)
- Blue (47%)



- Cyan (0%)
- Magenta (32%)
- Yellow (51%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6590, 0.4301, 0.3801 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 47.6590, 0.4301, 0.3801 by changing the saturation by 10% instead.





 47.6590, 0.4301,  
0.3801

 47.6590, 0.4301,  
0.3801


377.4389, 0.3718,  
0.3579


 33.5569, 0.4441,  
0.3844


 86.6965, 0.4092,  
0.3729

 22.5534, 0.4617,  
0.3890


 112.4007, 0.4013,  
0.3700

 14.2641, 0.4841,  
0.3938


 142.7410, 0.3945,  
0.3674

 8.3046, 0.5131,  
0.3978

178.1019, 0.3887,  
0.3650

 4.2905, 0.5553,  
0.4011

218.8677, 0.3836,  
0.3630

 1.8373, 0.6079,  
0.3921

265.4229, 0.3792,

 0.5103, 0.6780,

0.3611

0.3220

318.1518, 0.3753,  
0.3594

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.6590, 0.4301,  
0.3801

■ 47.6590, 0.4301,  
0.3801

■ 41.9835, 0.4625,  
0.3878

■ 54.1317, 0.4004,  
0.3706

■ 37.0646, 0.4961,  
0.3924


■ 61.4262, 0.3740,  
0.3602


■ 32.8676, 0.5286,  
0.3925


■ 69.5741, 0.3510,  
0.3497

■ 29.3520, 0.5573,  
0.3874

■ 78.6037, 0.3312,  
0.3396

 26.7370, 0.5784,  
0.3790

 88.5415, 0.3143,  
0.3300

 97.7959, 0.3054,  
0.3290

# Harmonies

## Analogous

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



47.6590, 0.4203, 0.3344



47.6590, 0.4301, 0.3801



47.6590, 0.4056, 0.4191

# Triad

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



47.6590, 0.4301, 0.3801



47.6590, 0.2477, 0.3687



47.6590, 0.2618, 0.2384

# Complementary

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



47.6590, 0.4301, 0.3801



49.8561, 0.2346, 0.2688

# 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.



47.6590, 0.2233, 0.2393



47.6590, 0.4301, 0.3801



47.6590, 0.2154, 0.3085

# Square

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



47.6590, 0.4301, 0.3801



47.6590, 0.2991, 0.4198



47.6590, 0.2073, 0.2624



47.6590, 0.3177, 0.2570



# Rectangle

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



47.6590, 0.4301, 0.3801



47.6590, 0.3750, 0.4346



47.6590, 0.2073, 0.2624



47.6590, 0.2467, 0.2364

# Sweetspot

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



47.6614, 0.4301, 0.3801



83.5517, 0.3387, 0.3436



36.2967, 0.3645, 0.2464



17.4280, 0.3429, 0.3457



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.



47.6614, 0.4301, 0.3801



46.7731, 0.4628, 0.3879



75.0347, 0.3954, 0.4388



17.5124, 0.3284, 0.3380



14.9128, 0.5755, 0.3812



1.5022, 0.5521, 0.3998



# Inverse Universe

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



49.8561, 0.2346, 0.2688



49.3831, 0.2213, 0.2542



27.8600, 0.2185, 0.1872



17.6404, 0.2980, 0.3198



15.9405, 0.1888, 0.1997



1.5988, 0.1938, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 47.6590, 0.4301, 0.3801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

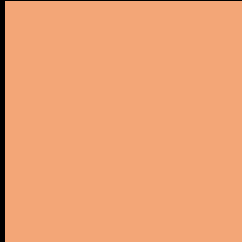
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6590, 0.4301, 0.3801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

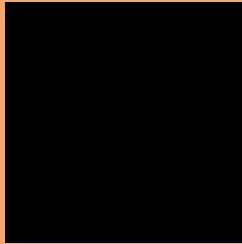
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.6590, 0.4301, 0.3801**

## Background



This preview shows how black text looks on a background with the Yxy color 47.6590, 0.4301, 0.3801.



This preview shows how white text looks on a background with the Yxy color 47.6590, 0.4301, 0.3801.

# 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

47.6590, 0.4301, 0.3801

### Protanopia

47.9295, 0.3735, 0.4026

### Deuteranopia

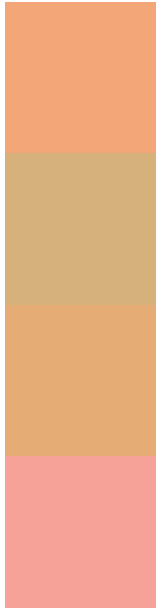
47.8646, 0.4064, 0.3981



## Tritanopia

47.5107, 0.3867, 0.3162

# Trichromacy



**Original Color**

47.6590, 0.4301, 0.3801

**Protanomaly**

47.3214, 0.3943, 0.3943

**Deuteranomaly**

47.6360, 0.4154, 0.3906

**Tritanomaly**

47.7005, 0.4036, 0.3402

# Monochromacy



**Original Color**

47.6590, 0.4301, 0.3801

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

46.9615, 0.3525, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6590, 0.4301, 0.3801 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(243, 166, 119)` looks like.

```
.text, #text, p{  
    color:rgb(243, 166, 119)  
}
```

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(243, 166, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 166, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6590, 0.4301, 0.3801 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(243, 166, 119) }
```

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

```
.border{ border-color:rgb(243, 166, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 166, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 166, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 166, 119);  
box-shadow:4px 4px 4px 4px rgb(243, 166,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6590, 0.4301, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 166, 119) }
```

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

```
.background{ background-color: rgb(243,  
166, 119) }
```

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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