

# Converting Colors

$Yxy(44.9901, 0.4394, 0.3822)$

Have a look what the booklet for  
Yxy(44.9901, 0.4394, 0.3822)  
contains.

<b>Yxy(44.9901, 0.4394, 0.3822)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(44.9901, 0.4394, 0.3822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1A06F
RGB	241, 160, 111
RGB Percent	95%, 63%, 44%
CMY	0.0548, 0.3726, 0.5647
CMYK	0.00, 0.34, 0.54, 0.05
HSL	23°, 82%, 69%
HSV	23°, 54%, 95%
XYZ	51.7233, 44.9901, 21.0001
YIQ	178.6330, 64.0050, 1.9330

# Conversions

## Conversions Part 2

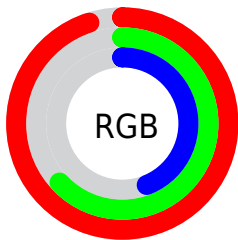
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 190, 111
Decimal	15835247
CIE Lab	72.89, 25.09, 37.70
CIE LCh	73, 45.281, 56.358
Yxy	44.9901, 0.4394, 0.3822
Android (android.graphics.Color)	4294025327 (0xFFFF1A06F)
YUV	178.6330, -33.3431, 54.6959
Hunter-Lab	67.0747, 20.2661, 28.3894

# Details

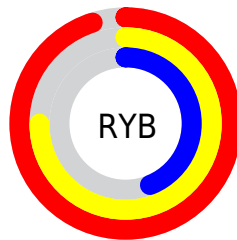
The Yxy color **44.9901, 0.4394, 0.3822** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.4538, 0.2308, 0.2651**, and the grayscale version is **45.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5052, 0.3807, 0.3826**, and **20.8967, 0.4732, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **39.6336, 0.4724, 0.3891**, and if you desaturate by 10%, it is **51.1238, 0.4087, 0.3732**.

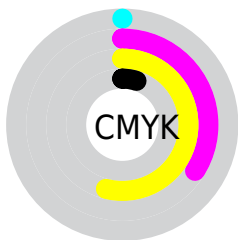
# Distribution



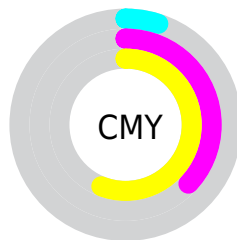
- Red (95%)
- Green (63%)
- Blue (44%)



- Red (95%)
- Yellow (75%)
- Blue (44%)



- Cyan (0%)
- Magenta (34%)
- Yellow (54%)
- Black (5%)




- Cyan (5%)
- Magenta (37%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9901, 0.4394, 0.3822 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 44.9901, 0.4394, 0.3822 by changing the saturation by 10% instead.





 44.9901, 0.4394,  
0.3822

 44.9901, 0.4394,  
0.3822


366.7335, 0.3760,  
0.3594


 31.4496, 0.4547,  
0.3864


 82.7056, 0.4166,  
0.3750

 20.9415, 0.4738,  
0.3908


 107.6493, 0.4080,  
0.3719

 13.0812, 0.4981,  
0.3950


 137.1630, 0.4006,  
0.3692

 7.4845, 0.5294,  
0.3975

 171.6309, 0.3943,  
0.3668

 3.7669, 0.5831,  
0.4037

211.4376, 0.3888,  
0.3646

 1.5440, 0.6224,  
0.3776

256.9673, 0.3840,

 0.3194, 0.7419,

0.3627

0.2581

308.6044, 0.3798,  
0.3609

0.0000, 0.0000,  
0.0000

44.9901, 0.4394,  
0.3822

44.9901, 0.4394,  
0.3822

39.6336, 0.4724,  
0.3891

51.1238, 0.4087,  
0.3732

35.0133, 0.5061,  
0.3924

58.0596, 0.3813,  
0.3630

31.0941, 0.5379,  
0.3911

65.8294, 0.3573,  
0.3526

27.8342, 0.5651,  
0.3844

74.4615, 0.3366,  
0.3424

26.1535, 0.5790,  
0.3785

83.9824, 0.3189,  
0.3327

■ 94.3770, 0.3042,  
0.3242

■ 97.4456, 0.3042,  
0.3290

# Harmonies

## Analogous

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



44.9901, 0.4286, 0.3334



44.9901, 0.4394, 0.3822



44.9901, 0.4130, 0.4248

# Triad

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



44.9901, 0.4394, 0.3822



44.9901, 0.2433, 0.3730



44.9901, 0.2570, 0.2320

# Complementary

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



44.9901, 0.4394, 0.3822



47.4538, 0.2308, 0.2651

# 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.



44.9901, 0.2164, 0.2329



44.9901, 0.4394, 0.3822



44.9901, 0.2087, 0.3072

# Square

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



44.9901, 0.4394, 0.3822



44.9901, 0.2985, 0.4285



44.9901, 0.1998, 0.2576



44.9901, 0.3168, 0.2515



# Rectangle

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



44.9901, 0.4394, 0.3822



44.9901, 0.3801, 0.4426



44.9901, 0.1998, 0.2576



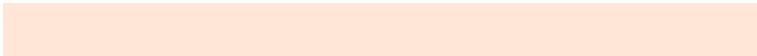
44.9901, 0.2410, 0.2298

# Sweetspot

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



44.9923, 0.4394, 0.3822



82.4798, 0.3407, 0.3445



33.9435, 0.3686, 0.2423



17.2123, 0.3449, 0.3466



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.



44.9923, 0.4394, 0.3822



44.3416, 0.4766, 0.3897



72.9997, 0.3998, 0.4440



16.7346, 0.3284, 0.3379



14.4176, 0.5761, 0.3808



1.3849, 0.5514, 0.4004



# Inverse Universe

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



47.4538, 0.2308, 0.2651



47.3016, 0.2166, 0.2489



25.2623, 0.2127, 0.1779



16.8701, 0.2980, 0.3199



15.5769, 0.1891, 0.2007



1.4866, 0.1943, 0.2194



# Previews

## White Background



This preview shows how the Yxy color 44.9901, 0.4394, 0.3822 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 44.9901, 0.4394, 0.3822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

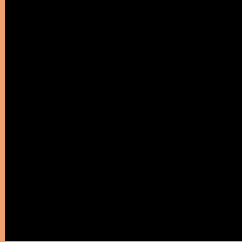
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9901, 0.4394, 0.3822**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9901, 0.4394, 0.3822.



This preview shows how white text looks on a background with the Yxy color 44.9901, 0.4394, 0.3822.

# 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

44.9901, 0.4394, 0.3822

### Protanopia

45.1742, 0.3777, 0.4066

### Deuteranopia

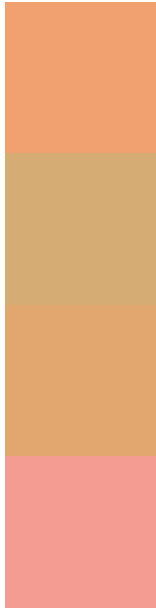
44.9817, 0.4115, 0.4029



## Tritanopia

44.9116, 0.3930, 0.3161

# Trichromacy



**Original Color**

44.9901, 0.4394, 0.3822

**Protanomaly**

44.7631, 0.4001, 0.3975

**Deuteranomaly**

44.9320, 0.4217, 0.3947

**Tritanomaly**

45.0544, 0.4115, 0.3414

# Monochromacy



**Original Color**

44.9901, 0.4394, 0.3822

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

44.3947, 0.3564, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9901, 0.4394, 0.3822 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(241, 160, 111)` looks like.

```
.text, #text, p{  
    color:rgb(241, 160, 111)  
}
```

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(241, 160, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 160, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9901, 0.4394, 0.3822 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(241, 160, 111) }
```

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

```
.border{ border-color:rgb(241, 160, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 160, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 160, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 160, 111);  
box-shadow:4px 4px 4px 4px rgb(241, 160,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9901, 0.4394, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 160, 111) }
```

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

```
.background{ background-color: rgb(241,  
160, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor