

# Converting Colors

$Yxy(39.9736, 0.4431, 0.3836)$

Have a look what the booklet for  
Yxy(39.9736, 0.4431, 0.3836)  
contains.

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# **Color**

**Yxy(39.9355, 0.4429, 0.3833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E69767
RGB	230, 151, 103
RGB Percent	90%, 59%, 40%
CMY	0.0981, 0.4078, 0.5961
CMYK	0.00, 0.34, 0.55, 0.10
HSL	23°, 72%, 65%
HSV	23°, 55%, 90%
XYZ	46.1451, 39.9355, 18.1080
YIQ	169.1490, 62.4920, 1.8200

# Conversions

## Conversions Part 2

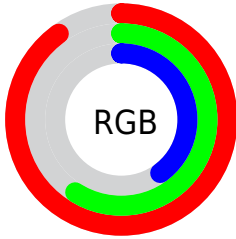
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 180, 103
Decimal	15112039
CIE Lab	69.42, 24.77, 37.30
CIE LCh	69, 44.773, 56.410
Yxy	39.9355, 0.4429, 0.3833
Android (android.graphics.Color)	4293302119 (0xFFE69767)
YUV	169.1490, -32.6115, 53.3663
Hunter-Lab	63.1945, 19.7516, 27.2470

# Details

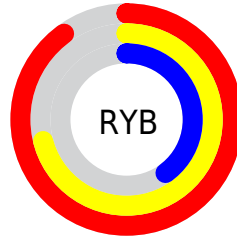
The Yxy color **39.9355, 0.4429, 0.3833** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.0424, 0.2292, 0.2633**, and the grayscale version is **39.8964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7692, 0.3901, 0.3819**, and **18.0481, 0.4789, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **35.2089, 0.4759, 0.3899**, and if you desaturate by 10%, it is **45.3517, 0.4120, 0.3744**.

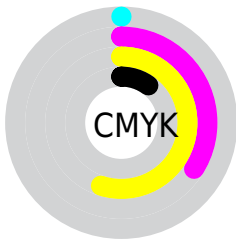
# Distribution



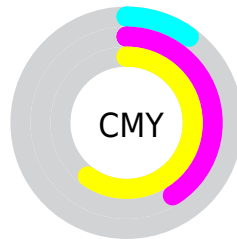
- Red (90%)
- Green (59%)
- Blue (40%)



- Red (90%)
- Yellow (71%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (55%)
- Black (10%)




- Cyan (10%)
- Magenta (41%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9355, 0.4429, 0.3833 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 39.9355, 0.4429, 0.3833 by changing the saturation by 10% instead.





 39.9355, 0.4429,  
0.3833


 39.9355, 0.4429,  
0.3833


345.8516, 0.3765,  
0.3596

 27.4883, 0.4592,  
0.3876


 75.0653, 0.4188,  
0.3758


 17.9403, 0.4798,  
0.3921


 98.5166, 0.4097,  
0.3726

 10.9071, 0.5062,  
0.3961


 126.4048, 0.4020,  
0.3698

 6.0044, 0.5402,  
0.3976

 159.1141, 0.3955,  
0.3673

 2.8478, 0.5987,  
0.4013

197.0291, 0.3898,  
0.3651

 1.0528, 0.6366,  
0.3634

240.5341, 0.3848,

 0.0000, 1.0000,

0.3631

0.0000

290.0135, 0.3804,  
0.3613

0.0000, 0.0000,  
0.0000

39.9355, 0.4429,  
0.3833

39.9355, 0.4429,  
0.3833

35.2089, 0.4759,  
0.3899

45.3517, 0.4120,  
0.3744

31.1353, 0.5094,  
0.3928

51.4798, 0.3843,  
0.3644

27.6832, 0.5407,  
0.3909

58.3486, 0.3600,  
0.3539

24.8149, 0.5672,  
0.3838

65.9829, 0.3390,  
0.3437

23.6300, 0.5782,  
0.3791

74.4068, 0.3210,  
0.3339

■ 83.6430, 0.3057,  
0.3247

■ 93.1204, 0.2975,  
0.3251

■ 95.5610, 0.2976,  
0.3290

# Harmonies

## Analogous

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



39.9355, 0.4320, 0.3333



39.9355, 0.4429, 0.3833



39.9355, 0.4155, 0.4273

# Triad

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



39.9355, 0.4429, 0.3833



39.9355, 0.2412, 0.3742



39.9355, 0.2556, 0.2296

# Complementary

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



39.9355, 0.4429, 0.3833



42.0424, 0.2292, 0.2633

# 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.



39.9355, 0.2140, 0.2304



39.9355, 0.4429, 0.3833



39.9355, 0.2060, 0.3062

# Square

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



39.9355, 0.4429, 0.3833



39.9355, 0.2978, 0.4317



39.9355, 0.1970, 0.2555



39.9355, 0.3170, 0.2497



# Rectangle

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



39.9355, 0.4429, 0.3833



39.9355, 0.3816, 0.4459



39.9355, 0.1970, 0.2555



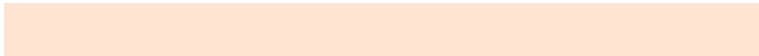
39.9355, 0.2392, 0.2274

# Sweetspot

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



39.9375, 0.4429, 0.3833



81.5045, 0.3427, 0.3456



29.9583, 0.3703, 0.2408



17.0191, 0.3468, 0.3476



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.



39.9375, 0.4429, 0.3833



43.8618, 0.4798, 0.3904



65.4172, 0.4015, 0.4461



15.2565, 0.3283, 0.3379



13.5968, 0.5753, 0.3814



1.1792, 0.5480, 0.4031



# Inverse Universe

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



42.0424, 0.2292, 0.2633



46.6545, 0.2154, 0.2471



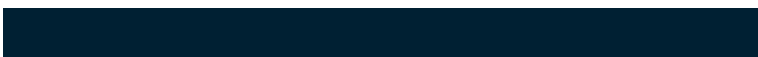
22.0128, 0.2105, 0.1743



15.3728, 0.2981, 0.3199



14.6061, 0.1890, 0.2005

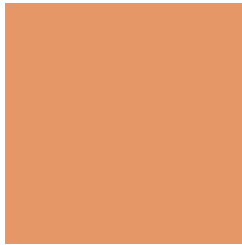


1.2569, 0.1948, 0.2213



# Previews

## White Background



This preview shows how the Yxy color 39.9355, 0.4429, 0.3833 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 39.9355, 0.4429, 0.3833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

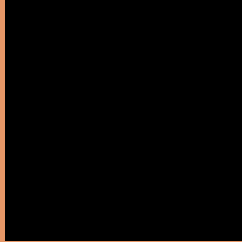
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9355, 0.4429, 0.3833**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9355, 0.4429, 0.3833.



This preview shows how white text looks on a background with the Yxy color 39.9355, 0.4429, 0.3833.

# 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

39.9355, 0.4429, 0.3833

### Protanopia

40.1895, 0.3798, 0.4104

### Deuteranopia

39.9021, 0.4135, 0.4051



## Tritanopia

39.8055, 0.3964, 0.3167

# Trichromacy



**Original Color**

39.9355, 0.4429, 0.3833

**Protanomaly**

39.6734, 0.4025, 0.4008

**Deuteranomaly**

39.8601, 0.4243, 0.3965

**Tritanomaly**

39.9686, 0.4147, 0.3419

# Monochromacy



**Original Color**

39.9355, 0.4429, 0.3833

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

38.9614, 0.3570, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9355, 0.4429, 0.3833 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(230, 151, 103)` looks like.

```
.text, #text, p{  
    color:rgb(230, 151, 103)  
}
```

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(230, 151, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 151, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9355, 0.4429, 0.3833 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(230, 151, 103) }
```

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

```
.border{ border-color:rgb(230, 151, 103) }
```

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

Here you see how a box with a 4 pixel rgb(230, 151, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 151, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 151, 103);  
box-shadow:4px 4px 4px 4px rgb(230, 151,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9355, 0.4429, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 151, 103) }
```

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

```
.background{ background-color: rgb(230,  
151, 103) }
```

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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