

# Converting Colors

$Y_{xy}(43.2892, 0.4337, 0.3854)$

Have a look what the booklet for  
Yxy(43.2892, 0.4337, 0.3854)  
contains.

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# Color

**Yxy(43.2240, 0.4345, 0.3851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E99F6D
RGB	233, 159, 109
RGB Percent	91%, 62%, 43%
CMY	0.0862, 0.3765, 0.5724
CMYK	0.00, 0.32, 0.53, 0.09
HSL	24°, 74%, 67%
HSV	24°, 53%, 91%
XYZ	48.7687, 43.2240, 20.2483
YIQ	175.4260, 60.1540, 0.1380

# Conversions

## Conversions Part 2

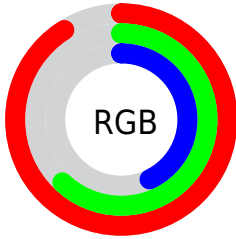
Format	Color
R <sub>Y</sub> B	233, 193, 109
Decimal	15310701
CIE Lab	71.71, 22.24, 37.06
CIE LCh	72, 43.222, 59.032
Yxy	43.2240, 0.4345, 0.3851
Android (android.graphics.Color)	4293500781 (0xFFE99F6D)
YUV	175.4260, -32.7480, 50.4924
Hunter-Lab	65.7450, 17.3552, 27.7612

# Details

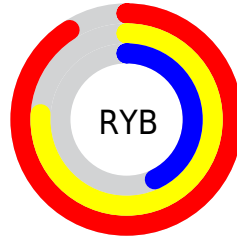
The Yxy color **43.2240, 0.4345, 0.3851** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.0263, 0.2309, 0.2617**, and the grayscale version is **43.2543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9263, 0.3826, 0.3837**, and **19.8403, 0.4684, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **38.2706, 0.4662, 0.3928**, and if you desaturate by 10%, it is **48.8532, 0.4050, 0.3753**.

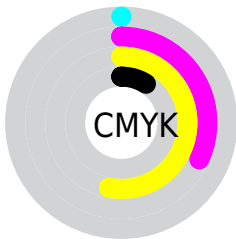
# Distribution



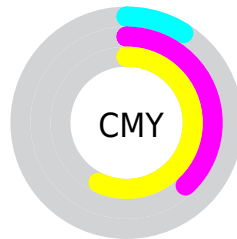
- Red (91%)
- Green (62%)
- Blue (43%)



- Red (91%)
- Yellow (76%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (9%)



- Cyan (9%)
- Magenta (38%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2240, 0.4345, 0.3851 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 43.2240, 0.4345, 0.3851 by changing the saturation by 10% instead.





 43.2240, 0.4345,  
0.3851

 43.2240, 0.4345,  
0.3851


359.5322, 0.3732,  
0.3603

 30.0609, 0.4494,  
0.3899


 80.0488, 0.4124,  
0.3771


 19.8848, 0.4681,  
0.3951


 104.4792, 0.4040,  
0.3737

 12.3113, 0.4920,  
0.4003


 133.4343, 0.3969,  
0.3708

 6.9561, 0.5228,  
0.4042


 167.2983, 0.3908,  
0.3682

 3.4347, 0.5809,  
0.4160

206.4557, 0.3855,  
0.3659

 1.3626, 0.6134,  
0.3866

251.2909, 0.3809,

 0.1889, 0.7927,

0.3639

0.2073

302.1883, 0.3768,  
0.3620

0.0000, 0.0000,  
0.0000

43.2240, 0.4345,  
0.3851

43.2240, 0.4345,  
0.3851

38.2706, 0.4662,  
0.3928

48.8532, 0.4050,  
0.3753

33.9581, 0.4985,  
0.3971

55.1783, 0.3785,  
0.3644

30.2574, 0.5293,  
0.3967

62.2264, 0.3552,  
0.3533

27.1337, 0.5560,  
0.3909

70.0209, 0.3351,  
0.3425

25.3151, 0.5713,  
0.3846

78.5843, 0.3177,  
0.3322

■ 87.9378, 0.3029,  
0.3226

■ 96.0669, 0.2994,  
0.3290

# Harmonies

## Analogous

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



43.2240, 0.4273, 0.3378



43.2240, 0.4345, 0.3851



43.2240, 0.4063, 0.4250

# Triad

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



43.2240, 0.4345, 0.3851



43.2240, 0.2416, 0.3658



43.2240, 0.2634, 0.2356

# Complementary

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



43.2240, 0.4345, 0.3851



43.0263, 0.2309, 0.2617

# 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.



43.2240, 0.2219, 0.2348



43.2240, 0.4345, 0.3851



43.2240, 0.2100, 0.3030

# Square

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



43.2240, 0.4345, 0.3851



43.2240, 0.2939, 0.4214



43.2240, 0.2035, 0.2568



43.2240, 0.3225, 0.2563



# Rectangle

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



43.2240, 0.4345, 0.3851



43.2240, 0.3734, 0.4403



43.2240, 0.2035, 0.2568



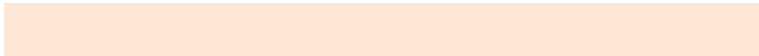
43.2240, 0.2471, 0.2330

# Sweetspot

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



43.2261, 0.4345, 0.3851



83.0767, 0.3406, 0.3455



31.7069, 0.3724, 0.2477



17.3539, 0.3447, 0.3478



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.



43.2261, 0.4345, 0.3851



46.3354, 0.4697, 0.3935



69.9444, 0.3963, 0.4461



16.0505, 0.3283, 0.3385



14.5896, 0.5686, 0.3868



1.3298, 0.5433, 0.4068



# Inverse Universe

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



43.0263, 0.2309, 0.2617



45.9807, 0.2164, 0.2446



22.9163, 0.2132, 0.1751



16.0445, 0.2981, 0.3193



14.0824, 0.1865, 0.1915



1.2936, 0.1924, 0.2125



# Previews

## White Background



This preview shows how the Yxy color 43.2240, 0.4345, 0.3851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

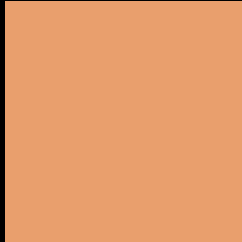
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2240, 0.4345, 0.3851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

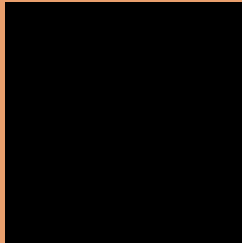
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2240, 0.4345, 0.3851**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2240, 0.4345, 0.3851.



This preview shows how white text looks on a background with the Yxy color 43.2240, 0.4345, 0.3851.

# 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

43.2240, 0.4345, 0.3851

### Protanopia

43.3880, 0.3777, 0.4080

### Deuteranopia

43.2129, 0.4112, 0.4030



## Tritanopia

43.1413, 0.3868, 0.3157

# Trichromacy



**Original Color**

43.2240, 0.4345, 0.3851

**Protanomaly**

43.0635, 0.3980, 0.4004

**Deuteranomaly**

43.2086, 0.4190, 0.3964

**Tritanomaly**

43.2892, 0.4054, 0.3417

# Monochromacy



**Original Color**

43.2240, 0.4345, 0.3851

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

42.3461, 0.3542, 0.3526

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2240, 0.4345, 0.3851 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(233, 159, 109)` looks like.

```
.text, #text, p{  
    color:rgb(233, 159, 109)  
}
```

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(233, 159, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 159, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2240, 0.4345, 0.3851 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(233, 159, 109) }
```

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

```
.border{ border-color:rgb(233, 159, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 159, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 159, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 159, 109);  
box-shadow:4px 4px 4px 4px rgb(233, 159,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2240, 0.4345, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 159, 109) }
```

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

```
.background{ background-color: rgb(233,  
159, 109) }
```

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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