

# Converting Colors

$Y_{xy}(43.5605, 0.4534, 0.4075)$

Have a look what the booklet for  
Yxy(43.5605, 0.4534, 0.4075)  
contains.

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# Color

**Yxy(43.4919, 0.4542, 0.4069)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBA057
RGB	235, 160, 87
RGB Percent	92%, 63%, 34%
CMY	0.0785, 0.3725, 0.6589
CMYK	0.00, 0.32, 0.63, 0.08
HSL	30°, 79%, 63%
HSV	30°, 63%, 92%
XYZ	48.5476, 43.4919, 14.8465
YIQ	174.1030, 68.1330, -6.8030

# Conversions

## Conversions Part 2

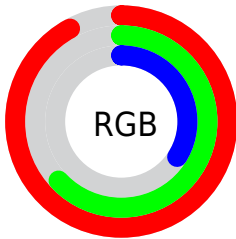
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 231, 87
Decimal	15442007
CIE <sub>Lab</sub>	71.89, 20.85, 48.59
CIE <sub>LCh</sub>	72, 52.877, 66.771
Yxy	43.4919, 0.4542, 0.4069
Android (android.graphics.Color)	4293632087 (0xFFEBA057)
YUV	174.1030, -42.9418, 53.4067
Hunter-Lab	65.9484, 15.9923, 32.8164

# Details

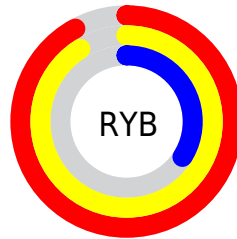
The Yxy color **43.4919, 0.4542, 0.4069** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.8427, 0.2135, 0.2270**, and the grayscale version is **42.5818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7250, 0.3977, 0.4064**, and **19.9727, 0.4898, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **39.2390, 0.4821, 0.4133**, and if you desaturate by 10%, it is **48.2692, 0.4264, 0.3970**.

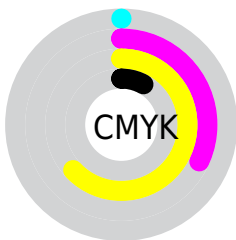
# Distribution



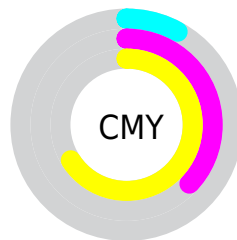
- Red (92%)
- Green (63%)
- Blue (34%)



- Red (92%)
- Yellow (91%)
- Blue (34%)



- Cyan (0%)
- Magenta (32%)
- Yellow (63%)
- Black (8%)




- Cyan (8%)
- Magenta (37%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4919, 0.4542, 0.4069 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 43.4919, 0.4542, 0.4069 by changing the saturation by 10% instead.





 43.4919, 0.4542,  
0.4069


 43.4919, 0.4542,  
0.4069


360.6308, 0.3845,  
0.3733


 30.2713, 0.4702,  
0.4129


 80.4526, 0.4297,  
0.3963


 20.0446, 0.4897,  
0.4190


 104.9615, 0.4202,  
0.3918

 12.4274, 0.5132,  
0.4244


 134.0019, 0.4121,  
0.3878

 7.0355, 0.5440,  
0.4288

 167.9583, 0.4050,  
0.3843

 3.4843, 0.5768,  
0.4232

 207.2149, 0.3989,  
0.3811

 1.3895, 0.6057,  
0.3943

252.1563, 0.3935,

 0.2090, 0.7720,

0.3782

0.2280

303.1668, 0.3888,  
0.3756

0.0000, 0.0000,  
0.0000

43.4919, 0.4542,  
0.4069

43.4919, 0.4542,  
0.4069

39.2390, 0.4821,  
0.4133

48.2692, 0.4264,  
0.3970

35.4803, 0.5084,  
0.4149

53.5860, 0.3999,  
0.3850


32.1911, 0.5311,  
0.4110


59.4644, 0.3755,  
0.3718

30.1418, 0.5449,  
0.4056

65.9231, 0.3536,  
0.3583

72.9797, 0.3343,  
0.3452

 80.6511, 0.3173,  
0.3326

 88.9533, 0.3026,  
0.3209

 96.3997, 0.3005,  
0.3290

# Harmonies

## Analogous

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



43.4919, 0.4591, 0.3514



43.4919, 0.4542, 0.4069



43.4919, 0.4095, 0.4529

# Triad

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



43.4919, 0.4542, 0.4069



43.4919, 0.2142, 0.3526



43.4919, 0.2693, 0.2227

# Complementary

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



43.4919, 0.4542, 0.4069



33.8427, 0.2135, 0.2270

# 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.



43.4919, 0.2144, 0.2148



43.4919, 0.4542, 0.4069



43.4919, 0.1855, 0.2786

# Square

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



43.4919, 0.4542, 0.4069



43.4919, 0.2705, 0.4296



43.4919, 0.1861, 0.2320



43.4919, 0.3440, 0.2520



# Rectangle

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



43.4919, 0.4542, 0.4069



43.4919, 0.3660, 0.4678



43.4919, 0.1861, 0.2320



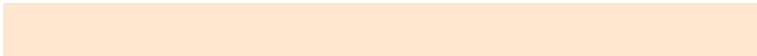
43.4919, 0.2482, 0.2175

# Sweetspot

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



43.4941, 0.4542, 0.4069



82.5927, 0.3458, 0.3531



27.1319, 0.4058, 0.2484



17.1672, 0.3515, 0.3570



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.



43.4941, 0.4542, 0.4069



45.6582, 0.4912, 0.4144



76.3528, 0.4020, 0.4723



16.2817, 0.3280, 0.3406



17.0323, 0.5424, 0.4075



1.5297, 0.5208, 0.4246



# Inverse Universe

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



33.8427, 0.2135, 0.2270



33.1394, 0.1968, 0.2010



15.2403, 0.1908, 0.1290



15.8101, 0.2981, 0.3171



10.9414, 0.1778, 0.1602



1.0517, 0.1847, 0.1850



# Previews

## White Background



This preview shows how the Yxy color 43.4919, 0.4542, 0.4069 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 43.4919, 0.4542, 0.4069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

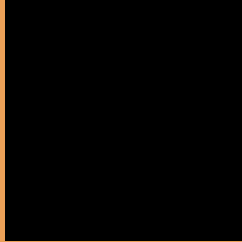
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.4919, 0.4542, 0.4069**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.4919, 0.4542, 0.4069.



This preview shows how white text looks on a background with the Yxy color 43.4919, 0.4542, 0.4069.

# 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

43.4919, 0.4542, 0.4069

### Protanopia

43.8191, 0.3998, 0.4362

### Deuteranopia

43.5666, 0.4335, 0.4239



## Tritanopia

43.3028, 0.3911, 0.3159

# Trichromacy



**Original Color**

43.4919, 0.4542, 0.4069

**Protanomaly**

43.5656, 0.4199, 0.4256

**Deuteranomaly**

43.4294, 0.4408, 0.4173

**Tritanomaly**

43.0376, 0.4170, 0.3506

# Monochromacy



**Original Color**

43.4919, 0.4542, 0.4069

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

42.0647, 0.3625, 0.3645

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4919, 0.4542, 0.4069 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(235, 160, 87)` looks like.

```
.text, #text, p{  
    color:rgb(235, 160, 87)  
}
```

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(235, 160, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 160, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4919, 0.4542, 0.4069 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(235, 160, 87) }
```

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

```
.border{ border-color:rgb(235, 160, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 160, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 160, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 160, 87);  
box-shadow:4px 4px 4px 4px rgb(235, 160,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4919, 0.4542, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 160, 87) }
```

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

```
.background{ background-color: rgb(235,  
160, 87) }
```

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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