

# Converting Colors

$Y_{xy}(48.5253, 0.4347, 0.4040)$

Have a look what the booklet for  
Yxy(48.5253, 0.4347, 0.4040)  
contains.

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# Color

**Yxy(48.4888, 0.4342, 0.4039)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDAC67
RGB	237, 172, 103
RGB Percent	93%, 67%, 40%
CMY	0.0706, 0.3255, 0.5962
CMYK	0.00, 0.27, 0.57, 0.07
HSL	31°, 79%, 67%
HSV	31°, 57%, 93%
XYZ	52.1264, 48.4888, 19.4363
YIQ	183.5690, 60.8890, -7.6790

# Conversions

## Conversions Part 2

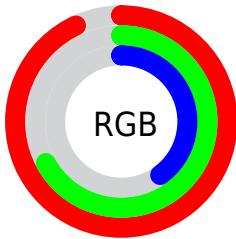
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 237, 103
Decimal	15576167
CIE Lab	75.13, 16.46, 44.51
CIE LCh	75, 47.459, 69.708
Yxy	48.4888, 0.4342, 0.4039
Android (android.graphics.Color)	4293766247 (0xFFEDAC67)
YUV	183.5690, -39.7205, 46.8590
Hunter-Lab	69.6339, 11.7617, 32.1946

# Details

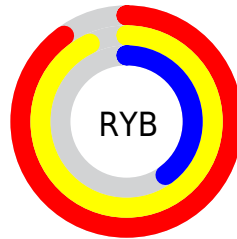
The Yxy color **48.4888, 0.4342, 0.4039** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.9930, 0.2217, 0.2352**, and the grayscale version is **47.8808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5985, 0.3812, 0.4010**, and **23.1550, 0.4646, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **43.8931, 0.4613, 0.4132**, and if you desaturate by 10%, it is **53.6025, 0.4078, 0.3920**.

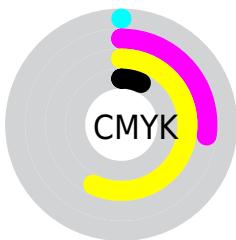
# Distribution



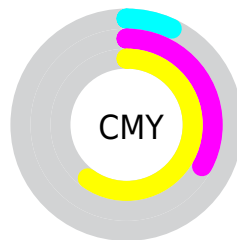
- Red (93%)
- Green (67%)
- Blue (40%)



- Red (90%)
- Yellow (93%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (57%)
- Black (7%)



- Cyan (7%)
- Magenta (33%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4888, 0.4342, 0.4039 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 48.4888, 0.4342, 0.4039 by changing the saturation by 10% instead.





 48.4888, 0.4342,  
0.4039

 48.4888, 0.4342,  
0.4039


380.7264, 0.3750,  
0.3706


 34.2141, 0.4479,  
0.4105


 87.9317, 0.4134,  
0.3930


 23.0582, 0.4646,  
0.4178


 113.8688, 0.4053,  
0.3885

 14.6365, 0.4851,  
0.4256


 144.4621, 0.3984,  
0.3846

 8.5646, 0.5103,  
0.4326

 180.0961, 0.3925,  
0.3811

 4.4583, 0.5537,  
0.4463

221.1551, 0.3873,  
0.3781

 1.9331, 0.5735,  
0.4265

268.0235, 0.3827,

 0.5682, 0.6247,

0.3753

0.3753

321.0858, 0.3786,  
0.3728

0.0000, 0.0000,  
0.0000

48.4888, 0.4342,  
0.4039

48.4888, 0.4342,  
0.4039

43.8931, 0.4613,  
0.4132

53.6025, 0.4078,  
0.3920

39.7871, 0.4878,  
0.4184

59.2467, 0.3832,  
0.3785

36.1494, 0.5119,  
0.4186

65.4420, 0.3608,  
0.3646

32.9525, 0.5321,  
0.4132

72.2055, 0.3408,  
0.3507

31.9408, 0.5385,  
0.4106

79.5535, 0.3231,  
0.3373

■ 87.5015, 0.3076,  
0.3248

■ 95.1379, 0.3018,  
0.3265

■ 96.7457, 0.3017,  
0.3290

# Harmonies

## Analogous

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



48.4888, 0.4411, 0.3555



48.4888, 0.4342, 0.4039



48.4888, 0.3935, 0.4404

# Triad

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



48.4888, 0.4342, 0.4039



48.4888, 0.2230, 0.3432



48.4888, 0.2811, 0.2366

# Complementary

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



48.4888, 0.4342, 0.4039



36.9930, 0.2217, 0.2352

# 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.



48.4888, 0.2300, 0.2278



48.4888, 0.4342, 0.4039



48.4888, 0.1994, 0.2811

# Square

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



48.4888, 0.4342, 0.4039



48.4888, 0.2711, 0.4092



48.4888, 0.2021, 0.2417



48.4888, 0.3470, 0.2646



# Rectangle

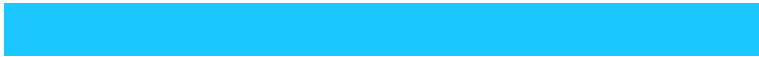
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4888, 0.4342, 0.4039



48.4888, 0.3547, 0.4491



48.4888, 0.2021, 0.2417



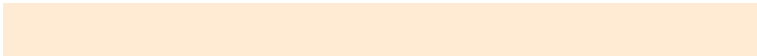
48.4888, 0.2618, 0.2314

# Sweetspot

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



48.4912, 0.4342, 0.4039



84.8281, 0.3417, 0.3514



30.6028, 0.3949, 0.2570



17.8017, 0.3456, 0.3542



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.



48.4912, 0.4342, 0.4039



50.9535, 0.4659, 0.4144



79.5567, 0.3938, 0.4630



16.3372, 0.3280, 0.3411



17.7018, 0.5361, 0.4125



1.5826, 0.5156, 0.4288

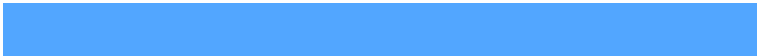


# Inverse Universe

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



36.9930, 0.2217, 0.2352



36.1572, 0.2052, 0.2115



18.6920, 0.2029, 0.1474



15.7547, 0.2981, 0.3165



10.2855, 0.1759, 0.1530



0.9996, 0.1830, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 48.4888, 0.4342, 0.4039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

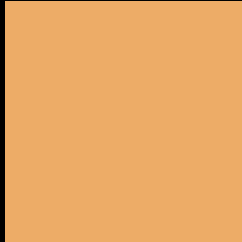
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4888, 0.4342, 0.4039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

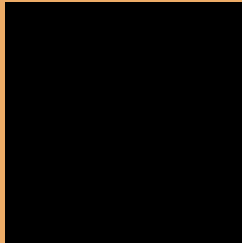
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4888, 0.4342, 0.4039**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4888, 0.4342, 0.4039.



This preview shows how white text looks on a background with the Yxy color 48.4888, 0.4342, 0.4039.

# 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

48.4888, 0.4342, 0.4039

### Protanopia

48.4771, 0.3908, 0.4239

### Deuteranopia

48.7345, 0.4224, 0.4134



## Tritanopia

48.3837, 0.3768, 0.3149

# Trichromacy



**Original Color**

48.4888, 0.4342, 0.4039

**Protanomaly**

48.1302, 0.4064, 0.4166

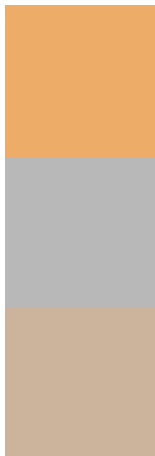
**Deuteranomaly**

48.6082, 0.4274, 0.4099

**Tritanomaly**

48.1431, 0.4002, 0.3481

# Monochromacy



**Original Color**

48.4888, 0.4342, 0.4039

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.7056, 0.3542, 0.3605

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4888, 0.4342, 0.4039 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(237, 172, 103)` looks like.

```
.text, #text, p{  
    color:rgb(237, 172, 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(237, 172, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 172, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4888, 0.4342, 0.4039 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(237, 172, 103) }
```

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

```
.border{ border-color:rgb(237, 172, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 172, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 172, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 172, 103);  
box-shadow:4px 4px 4px 4px rgb(237, 172,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4888, 0.4342, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 172, 103) }
```

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

```
.background{ background-color: rgb(237,  
172, 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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