

# Converting Colors

$Y_{xy}(49.2232, 0.4251, 0.4026)$

Have a look what the booklet for  
Yxy(49.2232, 0.4251, 0.4026)  
contains.

|  |    |
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# Color

**Yxy(49.2351, 0.4254, 0.4031)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | EAAF6C                     |
| RGB           | 234, 175, 108              |
| RGB Percent   | 92%, 69%, 42%              |
| CMY           | 0.0825, 0.3136, 0.5765     |
| CMYK          | 0.00, 0.25, 0.54, 0.08     |
| HSL           | 32°, 75%, 67%              |
| HSV           | 32°, 54%, 92%              |
| XYZ           | 51.9588, 49.2351, 20.9472  |
| YIQ           | 185.0030, 56.6710, -8.3290 |

# Conversions

## Conversions Part 2

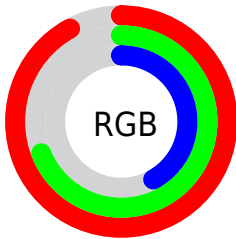
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 219, 234, 108                  |
| Decimal                             | 15380332                       |
| CIE Lab                             | 75.60, 14.01, 42.47            |
| CIE LCh                             | 76, 44.723, 71.738             |
| Yxy                                 | 49.2351, 0.4254,<br>0.4031     |
| Android<br>(android.graphics.Color) | 4293570412<br>(0xFFEAAF6C)     |
| YUV                                 | 185.0030, -37.9625,<br>42.9704 |
| Hunter-Lab                          | 70.1677, 9.3848,<br>31.4175    |

# Details

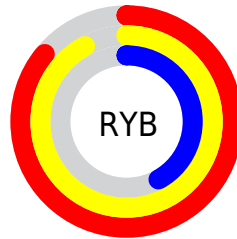
The Yxy color **49.2351, 0.4254, 0.4031** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.7354, 0.2253, 0.2376**, and the grayscale version is **48.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9850, 0.3764, 0.3998**, and **23.5854, 0.4532, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **44.7140, 0.4517, 0.4136**, and if you desaturate by 10%, it is **54.2401, 0.4000, 0.3903**.

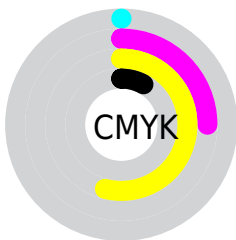
# Distribution



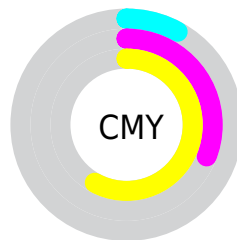
- Red (92%)
- Green (69%)
- Blue (42%)



- Red (86%)
- Yellow (92%)
- Blue (42%)



- Cyan (0%)
- Magenta (25%)
- Yellow (54%)
- Black (8%)




- Cyan (8%)
- Magenta (31%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2351, 0.4254, 0.4031 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 49.2351, 0.4254, 0.4031 by changing the saturation by 10% instead.





 49.2351, 0.4254,  
0.4031


 49.2351, 0.4254,  
0.4031


383.6671, 0.3705,  
0.3696

 34.8060, 0.4381,  
0.4100


 89.0405, 0.4061,  
0.3920

 23.5135, 0.4537,  
0.4178


 115.1857, 0.3986,  
0.3875

 14.9731, 0.4731,  
0.4266


 146.0049, 0.3922,  
0.3835

 8.8005, 0.4970,  
0.4353

 181.8827, 0.3867,  
0.3801

 4.6113, 0.5374,  
0.4512

223.2034, 0.3819,  
0.3770

 2.0211, 0.5605,  
0.4395

270.3515, 0.3776,

 0.6197, 0.6012,

0.3743

0.3988

323.7113, 0.3739,  
0.3718

0.0000, 0.0000,  
0.0000

49.2351, 0.4254,  
0.4031

49.2351, 0.4254,  
0.4031

44.7140, 0.4517,  
0.4136

54.2401, 0.4000,  
0.3903

40.6505, 0.4776,  
0.4204

59.7394, 0.3764,  
0.3762

37.0258, 0.5017,  
0.4225

65.7518, 0.3549,  
0.3618

33.8157, 0.5223,  
0.4190

72.2929, 0.3356,  
0.3476

32.0276, 0.5334,  
0.4147

79.3773, 0.3187,  
0.3340

87.0192, 0.3038,  
0.3213

94.1050, 0.2999,  
0.3256

96.2262, 0.2999,  
0.3290

# Harmonies

## Analogous

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



49.2351, 0.4339, 0.3579



49.2351, 0.4254, 0.4031



49.2351, 0.3858, 0.4353

# Triad

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



49.2351, 0.4254, 0.4031



49.2351, 0.2260, 0.3383



49.2351, 0.2871, 0.2429

# Complementary

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



49.2351, 0.4254, 0.4031



36.7354, 0.2253, 0.2376

# 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.



49.2351, 0.2374, 0.2333



49.2351, 0.4254, 0.4031



49.2351, 0.2050, 0.2811

# Square

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



49.2351, 0.4254, 0.4031



49.2351, 0.2703, 0.4001



49.2351, 0.2092, 0.2453



49.2351, 0.3493, 0.2705



# Rectangle

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



49.2351, 0.4254, 0.4031



49.2351, 0.3487, 0.4411



49.2351, 0.2092, 0.2453



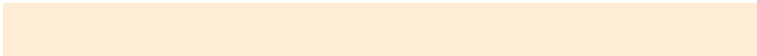
49.2351, 0.2685, 0.2375

# Sweetspot

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



49.2375, 0.4254, 0.4031



86.0652, 0.3397, 0.3507



31.0679, 0.3917, 0.2621



18.0644, 0.3436, 0.3536



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.



49.2375, 0.4254, 0.4031



53.6088, 0.4555, 0.4148



77.0401, 0.3890, 0.4586



16.3813, 0.3279, 0.3415



18.2585, 0.5311, 0.4165



1.6261, 0.5114, 0.4321

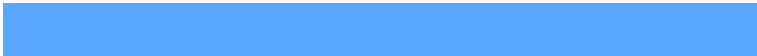


# Inverse Universe

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



36.7354, 0.2253, 0.2376



36.9195, 0.2083, 0.2137



19.9806, 0.2100, 0.1575



15.7108, 0.2980, 0.3161



9.7890, 0.1743, 0.1475



0.9597, 0.1815, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 49.2351, 0.4254, 0.4031 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 49.2351, 0.4254, 0.4031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

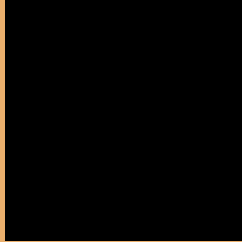
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2351, 0.4254, 0.4031**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2351, 0.4254, 0.4031.



This preview shows how white text looks on a background with the Yxy color 49.2351, 0.4254, 0.4031.

# 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

49.2351, 0.4254, 0.4031

### Protanopia

49.5479, 0.3876, 0.4212

### Deuteranopia

49.2332, 0.4179, 0.4094



## Tritanopia

49.0524, 0.3703, 0.3148

# Trichromacy



## Original Color

49.2351, 0.4254, 0.4031

## Protanomaly

49.4617, 0.4007, 0.4144

## Deuteranomaly

49.3288, 0.4213, 0.4074

## Tritanomaly

48.8530, 0.3923, 0.3472

# Monochromacy



## Original Color

49.2351, 0.4254, 0.4031

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.1786, 0.3522, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2351, 0.4254, 0.4031 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(234, 175, 108)` looks like.

```
.text, #text, p{  
    color:rgb(234, 175, 108)  
}
```

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(234, 175, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 175, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2351, 0.4254, 0.4031 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(234, 175, 108) }
```

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

```
.border{ border-color:rgb(234, 175, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 175, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 175, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 175, 108);  
box-shadow:4px 4px 4px 4px rgb(234, 175,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2351, 0.4254, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 175, 108) }
```

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

```
.background{ background-color: rgb(234,  
175, 108) }
```

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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