

# Converting Colors

$Y_{xy}(49.7041, 0.4179, 0.3880)$

Have a look what the booklet for  
Yxy(49.7041, 0.4179, 0.3880)  
contains.

<b>Yxy(49.6571, 0.4180, 0.3879)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.6571, 0.4180, 0.3879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDAE79
RGB	237, 174, 121
RGB Percent	93%, 68%, 47%
CMY	0.0706, 0.3176, 0.5256
CMYK	0.00, 0.27, 0.49, 0.07
HSL	27°, 76%, 70%
HSV	27°, 49%, 93%
XYZ	53.5104, 49.6571, 24.8478
YIQ	186.7950, 54.5610, -3.1270

# Conversions

## Conversions Part 2

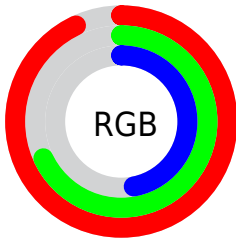
Format	Color
R <sub>Y</sub> B	237, 219, 121
Decimal	15576697
CIE Lab	75.86, 16.92, 36.16
CIE LCh	76, 39.920, 64.923
Yxy	49.6571, 0.4180, 0.3879
Android (android.graphics.Color)	4293766777 (0xFFEDA79)
YUV	186.7950, -32.4369, 44.0298
Hunter-Lab	70.4678, 12.2270, 28.4211

# Details

The Yxy color **49.6571, 0.4180, 0.3879** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.4463, 0.2352, 0.2594**, and the grayscale version is **49.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9096, 0.3681, 0.3859**, and **23.8390, 0.4449, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **44.4116, 0.4468, 0.3980**, and if you desaturate by 10%, it is **55.5266, 0.3912, 0.3762**.

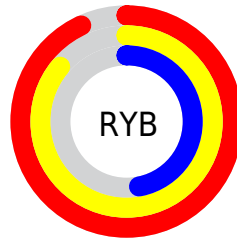
# Distribution



Red (93%)

Green (68%)

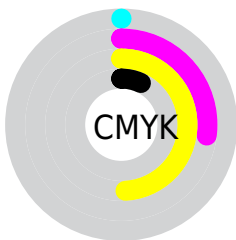
Blue (47%)



Red (93%)

Yellow (86%)

Blue (47%)

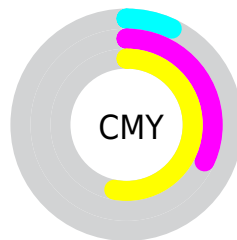


Cyan (0%)

Magenta (27%)

Yellow (49%)

Black (7%)



Cyan (7%)

Magenta (32%)


Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6571, 0.4180, 0.3879 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 49.6571, 0.4180, 0.3879 by changing the saturation by 10% instead.




 49.6571, 0.4180,  
0.3879

 49.6571, 0.4180,  
0.3879


385.3235, 0.3662,  
0.3614

 35.1410, 0.4303,  
0.3934


 89.6666, 0.3996,  
0.3791

 23.7715, 0.4457,  
0.3997


 115.9288, 0.3925,  
0.3755

 15.1642, 0.4651,  
0.4069


 146.8752, 0.3865,  
0.3724

 8.9347, 0.4903,  
0.4144

182.8902, 0.3813,  
0.3696

 4.6986, 0.5250,  
0.4221

224.3581, 0.3768,  
0.3672

 2.0715, 0.5739,  
0.4261

271.6633, 0.3728,

 0.6486, 0.6168,

0.3650

0.3832

325.1903, 0.3693,  
0.3631

0.0000, 0.0000,  
0.0000

49.6571, 0.4180,  
0.3879

49.6571, 0.4180,  
0.3879

44.4116, 0.4468,  
0.3980

55.5266, 0.3912,  
0.3762

39.7588, 0.4766,  
0.4051

62.0351, 0.3671,  
0.3637

35.6750, 0.5056,  
0.4079

69.2061, 0.3458,  
0.3512

32.1314, 0.5318,  
0.4055

77.0595, 0.3273,  
0.3392

29.0907, 0.5536,  
0.3978

85.6144, 0.3111,  
0.3278

■ 28.7973, 0.5558,  
0.3969

■ 94.3508, 0.3018,  
0.3252

■ 96.7438, 0.3017,  
0.3290

# Harmonies

## Analogous

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



49.6571, 0.4176, 0.3462



49.6571, 0.4180, 0.3879



49.6571, 0.3885, 0.4196

# Triad

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



49.6571, 0.4180, 0.3879



49.6571, 0.2425, 0.3505



49.6571, 0.2786, 0.2477

# Complementary

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



49.6571, 0.4180, 0.3879



44.4463, 0.2352, 0.2594

# 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.



49.6571, 0.2374, 0.2434



49.6571, 0.4180, 0.3879



49.6571, 0.2180, 0.2972

# Square

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



49.6571, 0.4180, 0.3879



49.6571, 0.2865, 0.4018



49.6571, 0.2165, 0.2596



49.6571, 0.3328, 0.2694



# Rectangle

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



49.6571, 0.4180, 0.3879



49.6571, 0.3575, 0.4284



49.6571, 0.2165, 0.2596



49.6571, 0.2629, 0.2441

# Sweetspot

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



49.6595, 0.4180, 0.3879



85.2351, 0.3383, 0.3465



35.1684, 0.3724, 0.2594



17.8318, 0.3424, 0.3491



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.



49.6595, 0.4180, 0.3879



52.2793, 0.4477, 0.3982



76.6448, 0.3873, 0.4430



16.1883, 0.3281, 0.3398



15.9786, 0.5530, 0.3991



1.4450, 0.5298, 0.4175



# Inverse Universe

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



44.4463, 0.2352, 0.2594



45.4124, 0.2203, 0.2415



25.3009, 0.2204, 0.1815



15.9041, 0.2981, 0.3180



12.1293, 0.1813, 0.1726



1.1445, 0.1878, 0.1960



# Previews

## White Background



This preview shows how the Yxy color 49.6571, 0.4180, 0.3879 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 49.6571, 0.4180, 0.3879 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

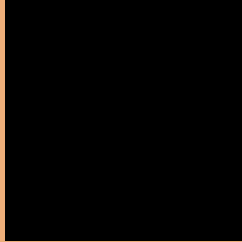
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6571, 0.4180, 0.3879**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6571, 0.4180, 0.3879.



This preview shows how white text looks on a background with the Yxy color 49.6571, 0.4180, 0.3879.

# 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

49.6571, 0.4180, 0.3879

### Protanopia

49.7435, 0.3759, 0.4050

### Deuteranopia

49.7650, 0.4059, 0.3971



## Tritanopia

49.7694, 0.3719, 0.3160

# Trichromacy



**Original Color**

49.6571, 0.4180, 0.3879

**Protanomaly**

49.3582, 0.3909, 0.3987

**Deuteranomaly**

49.6233, 0.4107, 0.3939

**Tritanomaly**

49.7433, 0.3890, 0.3426

# Monochromacy



**Original Color**

49.6571, 0.4180, 0.3879

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.0794, 0.3486, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6571, 0.4180, 0.3879 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, 174, 121)` looks like.

```
.text, #text, p{  
    color:rgb(237, 174, 121)  
}
```

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, 174, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 174, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6571, 0.4180, 0.3879 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, 174, 121) }
```

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

```
.border{ border-color:rgb(237, 174, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 174, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 174, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 174, 121);  
box-shadow:4px 4px 4px 4px rgb(237, 174,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6571, 0.4180, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 174, 121) }
```

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

```
.background{ background-color: rgb(237,  
174, 121) }
```

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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