

# Converting Colors

$Yxy(49.4139, 0.3986, 0.3824)$

Have a look what the booklet for  
Yxy(49.4139, 0.3986, 0.3824)  
contains.

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# Color

**Yxy(49.4139, 0.3986, 0.3824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3B183
RGB	227, 177, 131
RGB Percent	89%, 69%, 51%
CMY	0.1096, 0.3059, 0.4862
CMYK	0.00, 0.22, 0.42, 0.11
HSL	29°, 63%, 70%
HSV	29°, 42%, 89%
XYZ	51.5073, 49.4139, 28.2993
YIQ	186.7060, 44.5660, -3.7060

# Conversions

## Conversions Part 2

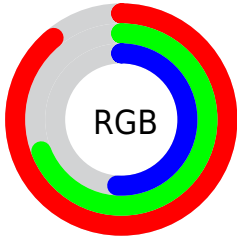
Format	Color
RYB	227, 219, 131
Decimal	14922115
CIELab	75.71, 12.35, 30.48
CIELCh	76, 32.889, 67.946
Yxy	49.4139, 0.3986, 0.3824
Android (android.graphics.Color)	4293112195 (0xFFE3B183)
YUV	186.7060, -27.4631, 35.3378
Hunter-Lab	70.2950, 7.7760, 25.3376

# Details

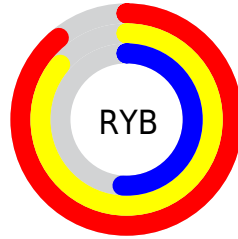
The Yxy color **49.4139, 0.3986, 0.3824** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.4474, 0.2452, 0.2678**, and the grayscale version is **49.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9985, 0.3605, 0.3786**, and **23.5554, 0.4224, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **44.3930, 0.4253, 0.3942**, and if you desaturate by 10%, it is **54.9798, 0.3741, 0.3696**.

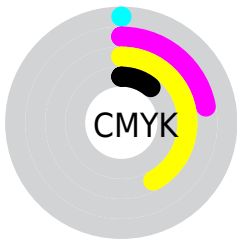
# Distribution



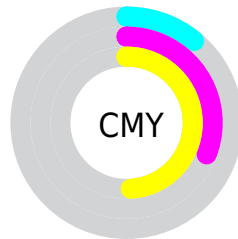
- Red (89%)
- Green (69%)
- Blue (51%)



- Red (89%)
- Yellow (86%)
- Blue (51%)



- Cyan (0%)
- Magenta (22%)
- Yellow (42%)
- Black (11%)




- Cyan (11%)
- Magenta (31%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4139, 0.3986, 0.3824 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 49.4139, 0.3986, 0.3824 by changing the saturation by 10% instead.





 49.4139, 0.3986,  
0.3824

 49.4139, 0.3986,  
0.3824


384.3695, 0.3561,  
0.3575

 34.9479, 0.4089,  
0.3879


 89.3059, 0.3834,  
0.3739

 23.6228, 0.4217,  
0.3945

 115.5007, 0.3776,  
0.3705

 15.0540, 0.4383,  
0.4025


 146.3738, 0.3727,  
0.3676

 8.8573, 0.4603,  
0.4119

182.3098, 0.3684,  
0.3651

 4.6482, 0.4898,  
0.4222

223.6930, 0.3648,  
0.3628

 2.0424, 0.5520,  
0.4480

270.9077, 0.3615,

 0.6319, 0.5884,

0.3609

0.4116

324.3384, 0.3587,  
0.3591

0.0000, 0.0000,  
0.0000

49.4139, 0.3986,  
0.3824

49.4139, 0.3986,  
0.3824

44.3930, 0.4253,  
0.3942

54.9798, 0.3741,  
0.3696

39.8909, 0.4537,  
0.4040

61.1016, 0.3523,  
0.3565

35.8892, 0.4823,  
0.4103

67.7986, 0.3330,  
0.3438

32.3655, 0.5095,  
0.4121

75.0870, 0.3163,  
0.3317

29.2942, 0.5332,  
0.4084

82.9823, 0.3017,  
0.3204

■ 27.2117, 0.5489,  
0.4023

■ 90.6859, 0.2957,  
0.3219

■ 95.0773, 0.2958,  
0.3290

# Harmonies

## Analogous

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



49.4139, 0.4004, 0.3482



49.4139, 0.3986, 0.3824



49.4139, 0.3727, 0.4060

# Triad

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



49.4139, 0.3986, 0.3824



49.4139, 0.2515, 0.3425



49.4139, 0.2889, 0.2617

# Complementary

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



49.4139, 0.3986, 0.3824



43.4474, 0.2452, 0.2678

# 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.



49.4139, 0.2526, 0.2568



49.4139, 0.3986, 0.3824



49.4139, 0.2323, 0.2996

# Square

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



49.4139, 0.3986, 0.3824



49.4139, 0.2873, 0.3846



49.4139, 0.2328, 0.2694



49.4139, 0.3344, 0.2815



# Rectangle

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



49.4139, 0.3986, 0.3824



49.4139, 0.3463, 0.4106



49.4139, 0.2328, 0.2694



49.4139, 0.2753, 0.2583

# Sweetspot

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



49.4163, 0.3986, 0.3824



87.5132, 0.3345, 0.3448



35.9598, 0.3629, 0.2704



18.3059, 0.3386, 0.3476



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.



49.4163, 0.3986, 0.3824



58.3722, 0.4227, 0.3932



71.2009, 0.3770, 0.4301



15.5008, 0.3280, 0.3403



16.0946, 0.5465, 0.4042



1.3745, 0.5231, 0.4228



# Inverse Universe

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



43.4474, 0.2452, 0.2678



49.5982, 0.2311, 0.2519



27.4834, 0.2344, 0.2027



15.1239, 0.2981, 0.3175



11.0694, 0.1793, 0.1653



1.0038, 0.1864, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 49.4139, 0.3986, 0.3824 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 49.4139, 0.3986, 0.3824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

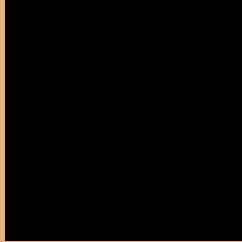
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.4139, 0.3986, 0.3824**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4139, 0.3986, 0.3824.



This preview shows how white text looks on a background with the Yxy color 49.4139, 0.3986, 0.3824.

# 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

49.4139, 0.3986, 0.3824

### Protanopia

49.7074, 0.3669, 0.3944

### Deuteranopia

49.5669, 0.3939, 0.3855



## Tritanopia

49.3242, 0.3582, 0.3144

# Trichromacy



**Original Color**

49.4139, 0.3986, 0.3824

**Protanomaly**

49.2898, 0.3775, 0.3892

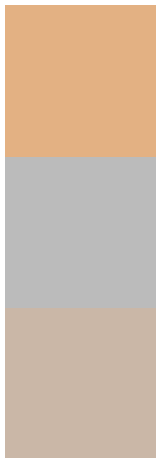
**Deuteranomaly**

49.3268, 0.3953, 0.3842

**Tritanomaly**

49.3905, 0.3731, 0.3395

# Monochromacy



**Original Color**

49.4139, 0.3986, 0.3824

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.2135, 0.3423, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4139, 0.3986, 0.3824 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(227, 177, 131)` looks like.

```
.text, #text, p{  
    color:rgb(227, 177, 131)  
}
```

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(227, 177, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 177, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4139, 0.3986, 0.3824 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(227, 177, 131) }
```

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

```
.border{ border-color:rgb(227, 177, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 177, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 177, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 177, 131);  
box-shadow:4px 4px 4px 4px rgb(227, 177,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4139, 0.3986, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 177, 131) }
```

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

```
.background{ background-color: rgb(227,  
177, 131) }
```

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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