

# Converting Colors

XYZ(48.9749, 47.8894, 24.3839)

Have a look what the booklet for  
XYZ(48.9749, 47.8894, 24.3839)  
contains.

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# Color

**XYZ(49.0397, 47.9363,  
24.4373)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEB078
RGB	222, 176, 120
RGB Percent	87%, 69%, 47%
CMY	0.1294, 0.3098, 0.5294
CMYK	0.00, 0.21, 0.46, 0.13
HSL	33°, 61%, 67%
HSV	33°, 46%, 87%
XYZ	49.0397, 47.9363, 24.4373
YIQ	183.3700, 45.3920, -7.6640

# Conversions

## Conversions Part 2

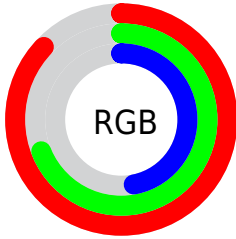
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 222, 120
Decimal	14594168
CIE <sub>Lab</sub>	74.78, 9.71, 34.98
CIE <sub>LCh</sub>	75, 36.306, 74.483
Yxy	47.9363, 0.4039, 0.3948
Android (android.graphics.Color)	4292784248 (0xFFDEB078)
YUV	183.3700, -31.2414, 33.8785
Hunter-Lab	69.2360, 5.2680, 27.5385

# Details

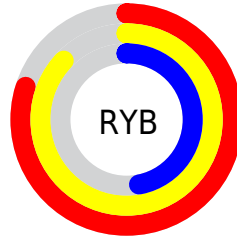
The XYZ color **49.0397, 47.9363, 24.4373** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.5663, 36.5381, 74.3378**, and the grayscale version is **45.3628, 47.7252, 51.9727**.

A 20% lighter version of the original color is **77.6394, 81.9904, 51.2688**, and **23.8302, 22.8568, 8.9502** is the 20% darker color. If you saturate the color by 10%, you get **45.9547, 43.6783, 17.5150**, and if you desaturate by 10%, it is **52.5842, 52.6133, 33.0547**.

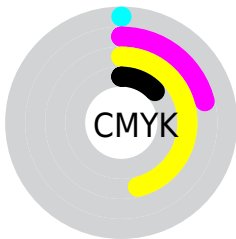
# Distribution



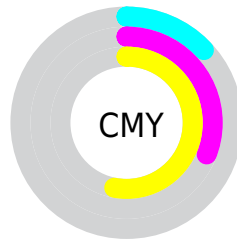
- Red (87%)
- Green (69%)
- Blue (47%)



- Red (80%)
- Yellow (87%)
- Blue (47%)



- Cyan (0%)
- Magenta (21%)
- Yellow (46%)
- Black (13%)




- Cyan (13%)
- Magenta (31%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0397, 47.9363, 24.4373 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 XYZ color 49.0397, 47.9363, 24.4373 by changing the saturation by 10% instead.





 49.0397, 47.9363,  
24.4373


 49.0397, 47.9363,  
24.4373


373.4130,  
378.5396, 288.3814


 34.8656, 33.7764,  
15.4431


 87.9508, 87.1096,  
51.6956

 23.7254, 22.7219,  
8.9809


 113.4185,  
112.8917, 70.7969

 15.2537, 14.3883,  
4.6321


 143.3815,  
143.3168, 94.1042

 9.0851, 8.3912,  
1.9781

178.2051,  
178.7692, 122.0362

 4.8543, 4.3463,  
0.5418

218.2547,  
219.6333, 155.0113

 2.1959, 1.8691,  
0.0000

263.8957,

 0.7406, 0.5297,

266.2934, 193.4482

0.0000

315.4933,  
319.1341, 237.7654

■ 0.0000, 0.0000,  
0.0000

■ 49.0397, 47.9363,  
24.4373

■ 49.0397, 47.9363,  
24.4373

■ 45.9547, 43.6783,  
17.5150

■ 52.5842, 52.6133,  
33.0547

■ 43.3007, 39.8175,  
12.1685

■ 56.6074, 57.7165,  
43.4694

■ 41.0509, 36.3400,  
8.2675


■ 61.1316, 63.2612,  
55.7792


■ 39.1731, 33.2275,  
5.6592


■ 66.1765, 69.2598,  
70.0737


■ 37.6282, 30.4588,  
4.1544

■ 71.7606, 75.7241,  
86.4367

 37.0705, 29.4224,  
3.7253

 77.9015, 82.6654,  
104.9473

 81.1544, 88.7101,  
107.4532

 83.9341, 94.2696,  
108.3798

# Harmonies

## Analogous

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



55.2222, 47.9363, 30.6575



49.0397, 47.9363, 24.4373



42.4635, 47.9363, 24.3351

# Triad

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



49.0397, 47.9363, 24.4373



34.3532, 47.9363, 61.8147



55.0383, 47.9363, 82.6322

# Complementary

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



49.0397, 47.9363, 24.4373



34.5663, 36.5381, 74.3378

# 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.



48.8077, 47.9363, 95.8490



49.0397, 47.9363, 24.4373



37.0997, 47.9363, 82.0038

# Square

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



49.0397, 47.9363, 24.4373



34.4023, 47.9363, 43.0683



42.2528, 47.9363, 95.5947



58.9066, 47.9363, 62.5266



# Rectangle

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



49.0397, 47.9363, 24.4373



38.7526, 47.9363, 27.6154



42.2528, 47.9363, 95.5947



53.1257, 47.9363, 88.2218

# Sweetspot

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



49.0409, 47.9386, 24.4383



84.9035, 88.0658, 79.7486



43.8716, 31.7753, 40.6721



17.8657, 18.4799, 16.2134



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0409, 47.9386, 24.4383



63.1164, 60.0846, 24.4152



58.6047, 68.5966, 27.9216



14.3279, 14.9418, 14.4357



22.1318, 17.7015, 2.2503



1.6231, 1.4051, 0.1857

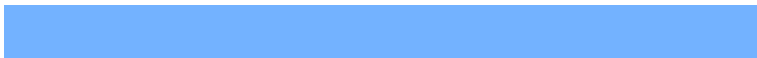


# Inverse Universe

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



34.5663, 36.5381, 74.3378



41.0064, 42.6860, 100.6857



28.1275, 22.9480, 72.0540



13.4585, 14.2561, 17.4300



10.6522, 8.7740, 42.1805



0.8268, 0.7851, 2.9532



# Previews

## White Background



This preview shows how the XYZ color 49.0397, 47.9363, 24.4373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

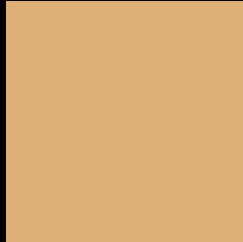
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.0397, 47.9363, 24.4373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

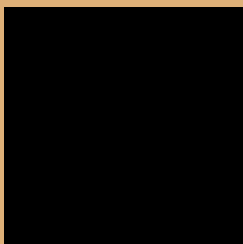
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.0397, 47.9363, 24.4373**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.0397, 47.9363, 24.4373.



This preview shows how white text looks on a background with the XYZ color 49.0397, 47.9363,



# 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

49.0397, 47.9363, 24.4373

### Protanopia

44.5351, 47.9904, 25.6547

### Deuteranopia

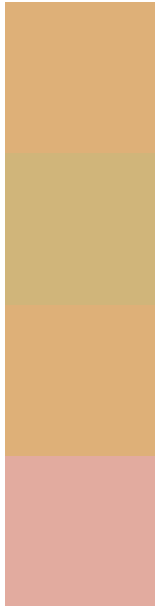
49.0397, 47.9363, 24.4373



## Tritanopia

54.3380, 47.8354, 50.0853

# Trichromacy



## Original Color

49.0397, 47.9363, 24.4373

## Protanomaly

46.0491, 47.8628, 25.2237

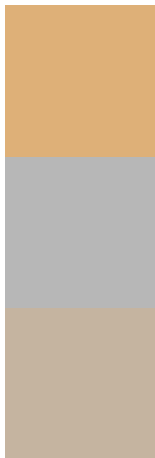
## Deuteranomaly

49.0397, 47.9363, 24.4373

## Tritanomaly

52.1849, 47.7978, 39.2763

# Monochromacy



## Original Color

49.0397, 47.9363, 24.4373

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.6924, 47.0509, 39.9312

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0397, 47.9363, 24.4373 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(222, 176, 120)` looks like.

```
.text, #text, p{  
    color:rgb(222, 176, 120)  
}
```

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(222, 176, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 176, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0397, 47.9363, 24.4373 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(222, 176, 120) }
```



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

```
.border{ border-color:rgb(222, 176, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 176, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 176, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 176, 120);  
box-shadow:4px 4px 4px 4px rgb(222, 176,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0397, 47.9363, 24.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 176, 120) }
```

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

```
.background{ background-color: rgb(222,  
176, 120) }
```

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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