

# Converting Colors

XYZ(49.1282, 46.9971, 39.2980)

Have a look what the booklet for  
XYZ(49.1282, 46.9971, 39.2980)  
contains.

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# Color

**XYZ(49.1256, 47.0714,  
39.2974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6AE9F
RGB	214, 174, 159
RGB Percent	84%, 68%, 62%
CMY	0.1608, 0.3176, 0.3765
CMYK	0.00, 0.19, 0.26, 0.16
HSL	16°, 40%, 73%
HSV	16°, 26%, 84%
XYZ	49.1256, 47.0714, 39.2974
YIQ	184.2500, 28.6550, 3.8150

# Conversions

## Conversions Part 2

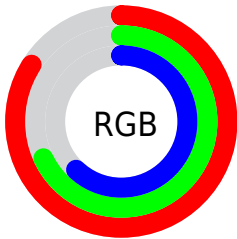
Format	Color
R <sub>YB</sub>	214, 180, 159
Decimal	14069407
CIE Lab	74.24, 12.31, 13.18
CIE LCh	74, 18.040, 46.949
Yxy	47.0714, 0.3626, 0.3474
Android (android.graphics.Color)	4292259487 (0xFFD6AE9F)
YUV	184.2500, -12.4482, 26.0907
Hunter-Lab	68.6086, 7.7457, 14.0661

# Details

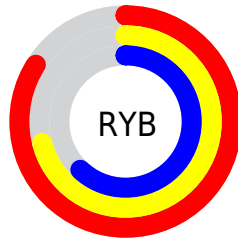
The XYZ color **49.1256, 47.0714, 39.2974** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.8586, 53.0714, 71.3927**, and the grayscale version is **45.7547, 48.1375, 52.4218**.

A 20% lighter version of the original color is **81.6744, 82.7087, 75.2780**, and **23.7669, 22.2709, 17.2334** is the 20% darker color. If you saturate the color by 10%, you get **44.5929, 40.7248, 29.4041**, and if you desaturate by 10%, it is **54.3307, 54.2476, 51.0020**.

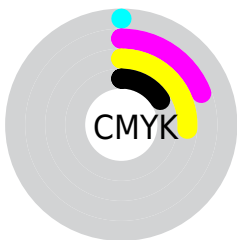
# Distribution



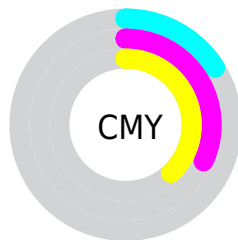
- Red (84%)
- Green (68%)
- Blue (62%)



- Red (84%)
- Yellow (71%)
- Blue (62%)



- Cyan (0%)
- Magenta (19%)
- Yellow (26%)
- Black (16%)




- Cyan (16%)
- Magenta (32%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1256, 47.0714, 39.2974 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 49.1256, 47.0714, 39.2974 by changing the saturation by 10% instead.





 49.1256, 47.0714,  
39.2974

 49.1256, 47.0714,  
39.2974


373.7453,  
375.0995, 358.6169

 34.9341, 33.0921,  
26.6816


 88.0776, 85.8202,  
75.3178

 23.7784, 22.1970,  
17.1039

 113.5687,  
111.3585, 99.5594

 15.2931, 14.0017,  
10.1458

143.5571,  
141.5185, 128.5133

 9.1130, 8.1219,  
5.3889

178.4081,  
176.6848, 162.5981

 4.8727, 4.1730,  
2.4145

218.4871,  
217.2416, 202.2323

 2.2067, 1.7708,  
0.7943

264.1594,

 0.7463, 0.4689,

263.5734, 247.8345

0.0000

315.7903,  
316.0645, 299.8232

■ 0.0000, 0.0000,  
0.0000

■ 49.1256, 47.0714,  
39.2974

■ 49.1256, 47.0714,  
39.2974

■ 44.5929, 40.7248,  
29.4041

■ 54.3307, 54.2476,  
51.0020

■ 40.7004, 35.1711,  
21.2280

■ 60.2311, 62.2756,  
64.5998

■ 37.4188, 30.3801,  
14.6709

■ 66.8532, 71.1849,  
80.1711

■ 34.7150, 26.3173,  
9.6234

■ 74.2208, 81.0015,  
97.7906

■ 32.5522, 22.9455,  
5.9622

■ 80.5342, 91.0212,  
107.9320

■ 30.8890, 20.2235,  
3.5444

■ 81.5417, 93.0362,  
108.2678

■ 29.6764, 18.1051,  
2.1947

■ 29.2639, 17.3607,  
1.8086

# Harmonies

## Analogous

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



50.9629, 47.0714, 46.2292



49.1256, 47.0714, 39.2974



46.1605, 47.0714, 35.7727

# Triad

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



49.1256, 47.0714, 39.2974



38.9454, 47.0714, 47.3311



46.5793, 47.0714, 70.2685

# Complementary

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



49.1256, 47.0714, 39.2974



46.8586, 53.0714, 71.3927

# 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.



43.3488, 47.0714, 70.6564



49.1256, 47.0714, 39.2974



39.0454, 47.0714, 56.6277

# Square

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



49.1256, 47.0714, 39.2974



40.3434, 47.0714, 40.0200



40.6234, 47.0714, 65.4159



49.4449, 47.0714, 64.4123



# Rectangle

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



49.1256, 47.0714, 39.2974



43.9911, 47.0714, 35.5140



40.6234, 47.0714, 65.4159



45.4973, 47.0714, 71.0655

# Sweetspot

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



49.1269, 47.0736, 39.2984



87.3864, 89.6525, 90.9935



50.4777, 43.2320, 59.9205



18.4125, 18.7933, 18.8013



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.



49.1269, 47.0736, 39.2984



69.1549, 64.5594, 49.8647



54.9155, 58.6508, 41.2279



12.6962, 12.9666, 12.9943



17.7628, 10.6429, 1.1181



1.1404, 0.7799, 0.0904

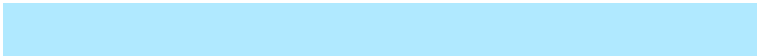


# Inverse Universe

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



46.8586, 53.0714, 71.3927



65.2054, 74.9687, 105.6415



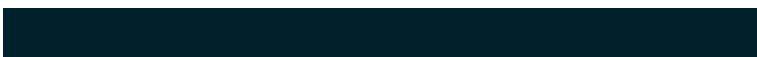
41.1570, 41.6682, 69.4921



12.4924, 13.5082, 15.8864



14.5744, 17.4106, 41.0456



0.9463, 1.1846, 2.4981



# Previews

## White Background



This preview shows how the XYZ color 49.1256, 47.0714, 39.2974 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 49.1256, 47.0714, 39.2974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

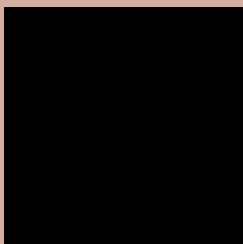
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.1256, 47.0714, 39.2974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1256, 47.0714, 39.2974.



This preview shows how white text looks on a background with the XYZ color 49.1256, 47.0714,

39.2974.

# 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

49.1256, 47.0714, 39.2974

### Protanopia

44.8247, 47.1766, 41.3938

### Deuteranopia

48.0778, 47.1092, 39.3599



## Tritanopia

51.6417, 46.9619, 51.6901

# Trichromacy



## Original Color

49.1256, 47.0714, 39.2974

## Protanomaly

46.1949, 46.9909, 40.8178

## Deuteranomaly

48.4519, 47.0120, 39.3214

## Tritanomaly

50.6197, 46.8199, 46.9266

# Monochromacy



## Original Color

49.1256, 47.0714, 39.2974

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.5648, 47.3398, 47.2407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1256, 47.0714, 39.2974 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(214, 174, 159) looks like.

```
.text, #text, p{  
    color:rgb(214, 174, 159)  
}
```

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(214, 174, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 174, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1256, 47.0714, 39.2974 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(214, 174, 159) }
```



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

```
.border{ border-color:rgb(214, 174, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 174, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 174, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 174, 159);  
box-shadow:4px 4px 4px 4px rgb(214, 174,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1256, 47.0714, 39.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 174, 159) }
```

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

```
.background{ background-color: rgb(214,  
174, 159) }
```

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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