

# Converting Colors

XYZ(46.9803, 44.1253, 41.0997)

Have a look what the booklet for  
XYZ(46.9803, 44.1253, 41.0997)  
contains.

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# Color

**XYZ(46.9980, 44.2409,  
41.1842)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1A8A4
RGB	209, 168, 164
RGB Percent	82%, 66%, 64%
CMY	0.1804, 0.3412, 0.3569
CMYK	0.00, 0.20, 0.22, 0.18
HSL	5°, 33%, 73%
HSV	5°, 22%, 82%
XYZ	46.9980, 44.2409, 41.1842
YIQ	179.8030, 25.7200, 7.4480

# Conversions

## Conversions Part 2

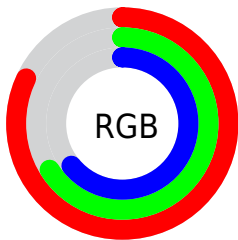
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 168, 164
Decimal	13740196
CIE Lab	72.39, 14.39, 7.76
CIE LCh	72, 16.351, 28.316
Yxy	44.2409, 0.3549, 0.3341
Android (android.graphics.Color)	4291930276 (0xFFD1A8A4)
YUV	179.8030, -7.7909, 25.6058
Hunter-Lab	66.5138, 9.7271, 9.8484

# Details

The XYZ color **46.9980, 44.2409, 41.1842** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.6493, 56.1572, 68.5974**, and the grayscale version is **43.3086, 45.5640, 49.6192**.

A 20% lighter version of the original color is **80.4139, 79.1498, 78.0570**, and **22.4964, 20.5307, 18.1064** is the 20% darker color. If you saturate the color by 10%, you get **42.0021, 37.0253, 30.9596**, and if you desaturate by 10%, it is **52.8212, 52.6140, 53.2158**.

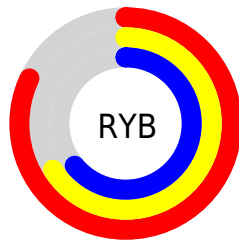
# Distribution



Red (82%)

Green (66%)

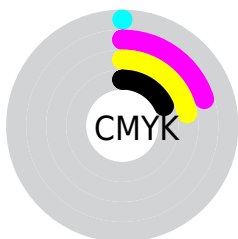
Blue (64%)



Red (82%)

Yellow (66%)

Blue (64%)

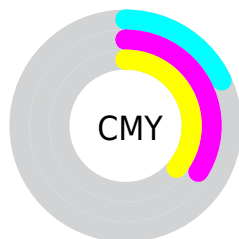


Cyan (0%)

Magenta (20%)

Yellow (22%)

Black (18%)



Cyan (18%)

Magenta (34%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9980, 44.2409, 41.1842 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 46.9980, 44.2409, 41.1842 by changing the saturation by 10% instead.





 46.9980, 44.2409,  
41.1842


 46.9980, 44.2409,  
41.1842


365.4556,  
363.6904, 366.7893

 33.2420, 30.8599,  
28.1423


 84.9294, 81.5801,  
78.2201

 22.4720, 20.4922,  
18.1929


 109.8355,  
106.3072, 103.0512

 14.3227, 12.7533,  
10.9177


139.1891,  
135.5850, 132.6491

 8.4286, 7.2589,  
5.8981

173.3554,  
169.7981, 167.4323

 4.4245, 3.6245,  
2.7154

212.6998,  
209.3308, 207.8194

 1.9450, 1.4658,  
0.9512

257.5878,

 0.6028, 0.2645,

254.5675, 254.2289

0.0000

308.3846,  
305.8925, 307.0793

0.0000, 0.0000,  
0.0000

46.9980, 44.2409,  
41.1842

46.9980, 44.2409,  
41.1842

42.0021, 37.0253,  
30.9596

52.8212, 52.6140,  
53.2158

37.7926, 30.9106,  
22.4522

59.5031, 62.1860,  
67.1330

34.3302, 25.8444,  
15.5684

67.0780, 73.0038,  
83.0129

31.5711, 21.7677,  
10.2049

75.5771, 85.1098,  
100.9276

29.4668, 18.6156,  
6.2462

80.1047, 92.2954,  
108.2006

■ 27.9625, 16.3155,  
3.5604

■ 26.9943, 14.7839,  
1.9903

■ 26.5208, 14.0076,  
1.3059

# Harmonies

## Analogous

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



47.6966, 44.2409, 48.6278



46.9980, 44.2409, 41.1842



44.9577, 44.2409, 36.1448

# Triad

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



46.9980, 44.2409, 41.1842



37.6089, 44.2409, 40.4775



41.8908, 44.2409, 65.3904

# Complementary

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



46.9980, 44.2409, 41.1842



48.6493, 56.1572, 68.5974

# 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.



39.2698, 44.2409, 62.6061



46.9980, 44.2409, 41.1842



36.8670, 44.2409, 47.7167

# Square

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



46.9980, 44.2409, 41.1842



39.5336, 44.2409, 35.7699



37.4614, 44.2409, 55.9060



44.6703, 44.2409, 63.1502



# Rectangle

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



46.9980, 44.2409, 41.1842



43.1555, 44.2409, 34.5267



37.4614, 44.2409, 55.9060



40.9628, 44.2409, 65.0056

# Sweetspot

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



46.9992, 44.2429, 41.1851



88.3971, 90.4804, 95.0100



50.6201, 44.5266, 63.8430



18.7722, 19.1539, 20.0269



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.



46.9992, 44.2429, 41.1851



69.8182, 63.7719, 56.6029



51.4635, 53.1715, 42.6732



11.8921, 11.9749, 12.2966



16.3829, 8.6987, 0.8156



0.9459, 0.5461, 0.0556



# Inverse Universe

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



48.6493, 56.1572, 68.5974



72.8688, 85.8142, 107.3309



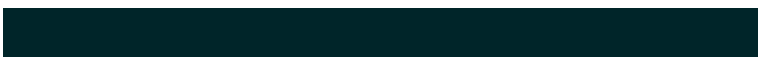
43.7010, 46.2604, 66.9479



12.0647, 13.2196, 15.1594



18.5404, 25.7274, 41.1812

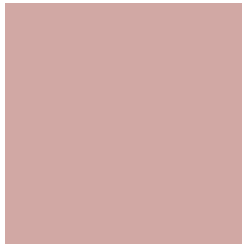


1.0636, 1.4924, 2.3116



# Previews

## White Background



This preview shows how the XYZ color 46.9980, 44.2409, 41.1842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

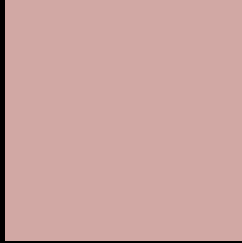
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9980, 44.2409, 41.1842 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 46.9980, 44.2409, 41.1842**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9980, 44.2409, 41.1842.



This preview shows how white text looks on a background with the XYZ color 46.9980, 44.2409,



# 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

46.9980, 44.2409, 41.1842

### Protanopia

42.4120, 44.3761, 43.8662

### Deuteranopia

45.1828, 44.4288, 40.8445



## Tritanopia

48.6369, 44.3760, 48.6498

# Trichromacy



## Original Color

46.9980, 44.2409, 41.1842

## Protanomaly

43.8493, 44.2686, 42.7928

## Deuteranomaly

45.8024, 44.4667, 40.8192

## Tritanomaly

48.0370, 44.3951, 46.0817

# Monochromacy



## Original Color

46.9980, 44.2409, 41.1842

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

44.6512, 45.1830, 46.4122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9980, 44.2409, 41.1842 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(209, 168, 164)` looks like.

```
.text, #text, p{  
    color:rgb(209, 168, 164)  
}
```

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(209, 168, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 168, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9980, 44.2409, 41.1842 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(209, 168, 164) }
```



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

```
.border{ border-color:rgb(209, 168, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 168, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 168, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 168, 164);  
box-shadow:4px 4px 4px 4px rgb(209, 168,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9980, 44.2409, 41.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 168, 164) }
```

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

```
.background{ background-color: rgb(209,  
168, 164) }
```

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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