

# Converting Colors

XYZ(46.0006, 42.8881, 33.6598)

Have a look what the booklet for  
XYZ(46.0006, 42.8881, 33.6598)  
contains.

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# Color

**XYZ(45.9825, 42.8036,  
33.4422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5A493
RGB	213, 164, 147
RGB Percent	84%, 64%, 58%
CMY	0.1647, 0.3568, 0.4235
CMYK	0.00, 0.23, 0.31, 0.16
HSL	15°, 44%, 71%
HSV	15°, 31%, 84%
XYZ	45.9825, 42.8036, 33.4422
YIQ	176.7130, 34.6610, 5.1010

# Conversions

## Conversions Part 2

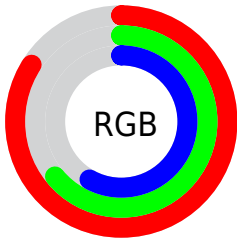
Format	Color
R <sub>Y</sub> B	213, 170, 147
Decimal	14001299
CIE Lab	71.42, 15.70, 15.79
CIE LCh	71, 22.262, 45.163
Yxy	42.8036, 0.3762, 0.3502
Android (android.graphics.Color)	4292191379 (0xFFD5A493)
YUV	176.7130, -14.6485, 31.8237
Hunter-Lab	65.4245, 10.9630, 15.4906

# Details

The XYZ color **45.9825, 42.8036, 33.4422** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.7823, 50.4855, 70.3881**, and the grayscale version is **41.7020, 43.8737, 47.7785**.

A 20% lighter version of the original color is **77.1141, 76.1401, 65.8905**, and **21.8101, 19.6010, 13.7002** is the 20% darker color. If you saturate the color by 10%, you get **41.8075, 36.8852, 24.5539**, and if you desaturate by 10%, it is **50.8211, 49.5535, 44.0794**.

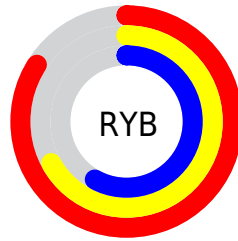
# Distribution



Red (84%)

Green (64%)

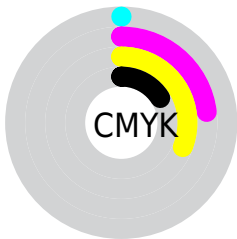
Blue (58%)



Red (84%)

Yellow (67%)

Blue (58%)

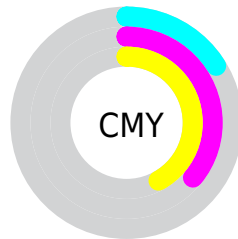


Cyan (0%)

Magenta (23%)

Yellow (31%)

Black (16%)



Cyan (16%)

Magenta (36%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9825, 42.8036, 33.4422 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 45.9825, 42.8036, 33.4422 by changing the saturation by 10% instead.





 45.9825, 42.8036,  
33.4422

 45.9825, 42.8036,  
33.4422


361.4554,  
357.8035, 332.3305

 32.4366, 29.7310,  
22.1915


 83.4208, 79.4144,  
66.1892

 21.8523, 19.6345,  
13.7980


 108.0439,  
103.7214, 88.5227

 13.8644, 12.1297,  
7.8432


137.0902,  
132.5421, 115.3875

 8.1075, 6.8320,  
3.9084

170.9249,  
166.2608, 147.2022

 4.2162, 3.3573,  
1.5753

209.9134,  
205.2618, 184.3853

 1.8252, 1.3210,  
0.2731

254.4211,

 0.5328, 0.1574,

249.9297, 227.3554

0.0000

304.8133,  
300.6488, 276.5309

■ 0.0000, 0.0000,  
0.0000

■ 45.9825, 42.8036,  
33.4422

■ 45.9825, 42.8036,  
33.4422

■ 41.8075, 36.8852,  
24.5539

■ 50.8211, 49.5535,  
44.0794

■ 38.2628, 31.7598,  
17.3174

■ 56.3480, 57.1596,  
56.5502

■ 35.3170, 27.3945,  
11.6304

■ 62.5905, 65.6530,  
70.9367

■ 32.9347, 23.7518,  
7.3776

■ 69.5736, 75.0614,  
87.3155

■ 31.0763, 20.7909,  
4.4276

■ 77.3209, 85.4113,  
105.7588

■ 29.6961, 18.4663,  
2.6243

■ 81.2506, 92.8862,  
108.2542

■ 28.8010, 16.8669,  
1.7377

# Harmonies

## Analogous

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



48.0476, 42.8036, 41.4103



45.9825, 42.8036, 33.4422



42.5581, 42.8036, 29.3580

# Triad

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



45.9825, 42.8036, 33.4422



34.1038, 42.8036, 41.5152



42.5989, 42.8036, 69.5143

# Complementary

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



45.9825, 42.8036, 33.4422



43.7823, 50.4855, 70.3881

# 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.



38.8649, 42.8036, 69.5539



45.9825, 42.8036, 33.4422



34.1132, 42.8036, 52.2187

# Square

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



45.9825, 42.8036, 33.4422



35.7816, 42.8036, 33.5087



35.8082, 42.8036, 62.8369



46.0139, 42.8036, 62.7357



# Rectangle

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



45.9825, 42.8036, 33.4422



40.0381, 42.8036, 28.9158



35.8082, 42.8036, 62.8369



41.3359, 42.8036, 70.3467

# Sweetspot

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



45.9836, 42.8056, 33.4431



86.3763, 88.2164, 88.8561



47.8955, 39.0224, 57.5315



18.2061, 18.4967, 18.3740



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.



45.9836, 42.8056, 33.4431



64.9824, 58.5013, 41.4235



52.5603, 55.9589, 35.6353



12.6808, 12.9357, 12.9892



17.6633, 10.4438, 1.0849



1.1326, 0.7644, 0.0879

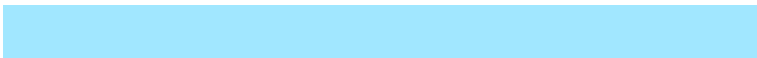


# Inverse Universe

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



43.7823, 50.4855, 70.3881



61.1672, 71.7402, 105.2311



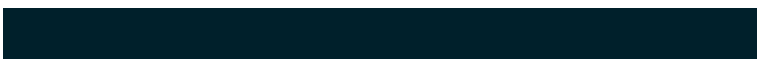
37.2295, 37.3800, 68.2038



12.5088, 13.5410, 15.8919



14.9042, 18.0701, 41.1555



0.9639, 1.2198, 2.5040



# Previews

## White Background



This preview shows how the XYZ color 45.9825, 42.8036, 33.4422 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 45.9825, 42.8036, 33.4422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

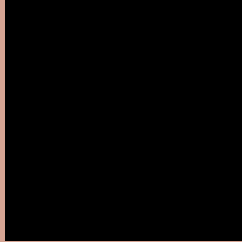
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.9825, 42.8036, 33.4422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9825, 42.8036, 33.4422.



This preview shows how white text looks on a background with the XYZ color 45.9825, 42.8036,

33.4422.

# 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

45.9825, 42.8036, 33.4422

### Protanopia

40.7646, 43.1173, 35.8797

### Deuteranopia

43.5481, 42.6371, 33.1287



## Tritanopia

48.4325, 42.7577, 45.2355

# Trichromacy



## Original Color

45.9825, 42.8036, 33.4422

## Protanomaly

42.5736, 42.9299, 34.8966

## Deuteranomaly

44.4606, 42.8346, 33.1187

## Tritanomaly

47.4700, 42.6171, 40.8459

# Monochromacy



## Original Color

45.9825, 42.8036, 33.4422

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

42.8707, 43.2054, 42.1563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9825, 42.8036, 33.4422 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(213, 164, 147) looks like.

```
.text, #text, p{  
    color:rgb(213, 164, 147)  
}
```

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(213, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 164, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9825, 42.8036, 33.4422 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(213, 164, 147) }
```



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

```
.border{ border-color:rgb(213, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(213, 164,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9825, 42.8036, 33.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 164, 147) }
```

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

```
.background{ background-color: rgb(213,  
164, 147) }
```

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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