

# Converting Colors

XYZ(45.9468, 42.3848, 31.3655)

Have a look what the booklet for  
XYZ(45.9468, 42.3848, 31.3655)  
contains.

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# Color

**XYZ(45.8271, 42.2407,  
31.3291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7A28E
RGB	215, 162, 142
RGB Percent	84%, 64%, 56%
CMY	0.1569, 0.3647, 0.4431
CMYK	0.00, 0.25, 0.34, 0.16
HSL	16°, 48%, 70%
HSV	16°, 34%, 84%
XYZ	45.8271, 42.2407, 31.3291
YIQ	175.5670, 38.0080, 5.0160

# Conversions

## Conversions Part 2

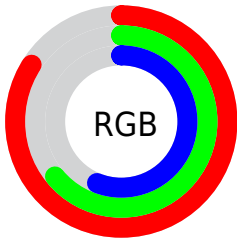
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 170, 142
Decimal	14131854
CIE Lab	71.04, 16.91, 18.03
CIE LCh	71, 24.719, 46.825
Yxy	42.2407, 0.3838, 0.3538
Android (android.graphics.Color)	4292321934 (0xFFD7A28E)
YUV	175.5670, -16.5485, 34.5827
Hunter-Lab	64.9928, 12.1246, 16.9149

# Details

The XYZ color **45.8271, 42.2407, 31.3291** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.9354, 49.6855, 71.6173**, and the grayscale version is **41.1119, 43.2529, 47.1024**.

A 20% lighter version of the original color is **76.0167, 74.8712, 62.6696**, and **21.8058, 19.2955, 12.7003** is the 20% darker color. If you saturate the color by 10%, you get **41.7852, 36.4958, 22.7713**, and if you desaturate by 10%, it is **50.5238, 48.7967, 41.6421**.

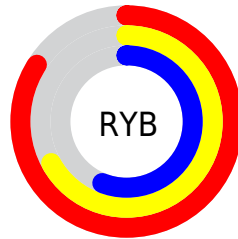
# Distribution



Red (84%)

Green (64%)

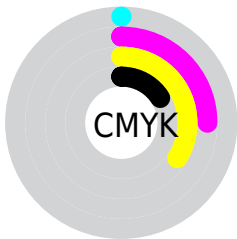
Blue (56%)



Red (84%)

Yellow (67%)

Blue (56%)

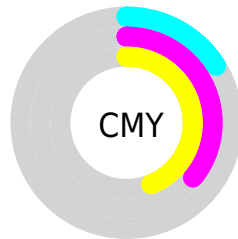


Cyan (0%)

Magenta (25%)

Yellow (34%)

Black (16%)



Cyan (16%)

Magenta (36%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8271, 42.2407, 31.3291 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 45.8271, 42.2407, 31.3291 by changing the saturation by 10% instead.




 45.8271, 42.2407,  
31.3291

 45.8271, 42.2407,  
31.3291


360.8407,  
355.4798, 322.4497


 32.3135, 29.2898,  
20.5890


 83.1896, 78.5638,  
62.8435

 21.7577, 19.3002,  
12.6356


 107.7692,  
102.7048, 84.4548

 13.7946, 11.8874,  
7.0503

 136.7682,  
131.3446, 110.5271

 8.0587, 6.6670,  
3.4147

170.5518,  
164.8676, 141.4786

 4.1846, 3.2548,  
1.3101

209.4855,  
203.6582, 177.7282

 1.8071, 1.2661,  
0.0700

253.9347,

 0.5220, 0.1148,

248.1009, 219.6941

0.0000

304.2646,  
298.5799, 267.7951

■ 0.0000, 0.0000,  
0.0000

■ 45.8271, 42.2407,  
31.3291

■ 45.8271, 42.2407,  
31.3291

■ 41.7852, 36.4958,  
22.7713

■ 50.5238, 48.7967,  
41.6421

■ 38.3645, 31.5239,  
15.8674

■ 55.9005, 56.1881,  
53.7988

■ 35.5330, 27.2927,  
10.5096

■ 61.9847, 64.4454,  
67.8846

■ 33.2544, 23.7652,  
6.5760

■ 68.8017, 73.5959,  
83.9789

■ 31.4879, 20.9006,  
3.9262

■ 76.3754, 83.6656,  
102.1567

■ 30.1857, 18.6536,  
2.3904

■ 81.8343, 93.1871,  
108.2815

■ 29.5840, 17.5665,  
1.8314

# Harmonies

## Analogous

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



48.2341, 42.2407, 39.7227



45.8271, 42.2407, 31.3291



41.9846, 42.2407, 27.2223

# Triad

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



45.8271, 42.2407, 31.3291



32.9064, 42.2407, 41.0047



42.4898, 42.2407, 71.3590

# Complementary

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



45.8271, 42.2407, 31.3291



42.9354, 49.6855, 71.6173

# 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.



38.3668, 42.2407, 71.8625



45.8271, 42.2407, 31.3291



33.0211, 42.2407, 52.8905

# Square

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



45.8271, 42.2407, 31.3291



34.6346, 42.2407, 32.1285



34.9596, 42.2407, 64.6391



46.2187, 42.2407, 63.3630



# Rectangle

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



45.8271, 42.2407, 31.3291



39.2127, 42.2407, 26.9153



34.9596, 42.2407, 64.6391



41.0991, 42.2407, 72.4527

# Sweetspot

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



45.8282, 42.2427, 31.3300



85.5889, 87.2174, 86.8189



47.6083, 37.7578, 56.7254



18.0536, 18.3063, 17.9696



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.



45.8282, 42.2427, 31.3300



62.9216, 55.7570, 36.4904



53.0934, 56.7731, 33.7517



12.6974, 12.9691, 12.9948



17.7712, 10.6597, 1.1209



1.1410, 0.7812, 0.0907

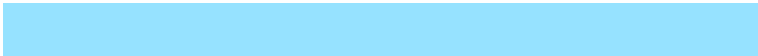


# Inverse Universe

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



42.9354, 49.6855, 71.6173



58.0022, 68.3299, 104.7397



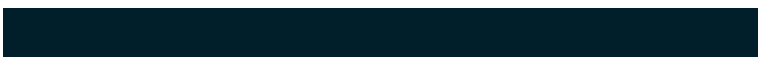
35.8253, 35.4653, 69.2472



12.4911, 13.5055, 15.8860



14.5479, 17.3577, 41.0368



0.9449, 1.1817, 2.4976



# Previews

## White Background



This preview shows how the XYZ color 45.8271, 42.2407, 31.3291 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 45.8271, 42.2407, 31.3291 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 45.8271, 42.2407, 31.3291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8271, 42.2407, 31.3291.



This preview shows how white text looks on a background with the XYZ color 45.8271, 42.2407,



# 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

45.8271, 42.2407, 31.3291

### Protanopia

40.0098, 42.4775, 34.1072

### Deuteranopia

42.9836, 42.1171, 31.0632



## Tritanopia

48.3960, 42.2614, 43.6367

# Trichromacy



## Original Color

45.8271, 42.2407, 31.3291

## Protanomaly

42.0687, 42.4269, 33.1661

## Deuteranomaly

43.9950, 42.0988, 31.0064

## Tritanomaly

47.3586, 42.0861, 38.8851

# Monochromacy



## Original Color

45.8271, 42.2407, 31.3291

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.4990, 42.7533, 41.1342

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8271, 42.2407, 31.3291 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(215, 162, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 162, 142)  
}
```

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(215, 162, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 162, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8271, 42.2407, 31.3291 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(215, 162, 142) }
```



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

```
.border{ border-color:rgb(215, 162, 142) }
```

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

Here you see how a box with a 4 pixel rgb(215, 162, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 162, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 162, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 162,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8271, 42.2407, 31.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 162, 142) }
```

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

```
.background{ background-color: rgb(215,  
162, 142) }
```

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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