

# Converting Colors

XYZ(44.4393, 42.3045, 32.2396)

Have a look what the booklet for  
XYZ(44.4393, 42.3045, 32.2396)  
contains.

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# Color

**XYZ(44.5016, 42.3338,  
32.2113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0A590
RGB	208, 165, 144
RGB Percent	82%, 65%, 56%
CMY	0.1843, 0.3529, 0.4353
CMYK	0.00, 0.21, 0.31, 0.18
HSL	20°, 41%, 69%
HSV	20°, 31%, 82%
XYZ	44.5016, 42.3338, 32.2113
YIQ	175.4630, 32.3690, 2.5850

# Conversions

## Conversions Part 2

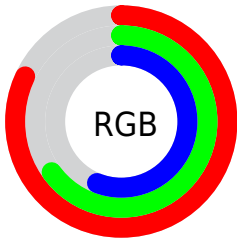
Format	Color
R <sub>Y</sub> B	208, 175, 144
Decimal	13673872
CIE Lab	71.10, 12.82, 16.91
CIE LCh	71, 21.220, 52.830
Yxy	42.3338, 0.3738, 0.3556
Android (android.graphics.Color)	4291863952 (0xFFD0A590)
YUV	175.4630, -15.5113, 28.5349
Hunter-Lab	65.0644, 8.2245, 16.1925

# Details

The XYZ color **44.5016, 42.3338, 32.2113** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.6565, 46.0225, 66.4150**, and the grayscale version is **41.0547, 43.1927, 47.0369**.

A 20% lighter version of the original color is **77.0262, 76.5236, 64.1369**, and **20.8744, 19.2938, 13.2136** is the 20% darker color. If you saturate the color by 10%, you get **40.6720, 36.9885, 23.8009**, and if you desaturate by 10%, it is **48.9018, 48.3511, 42.2579**.

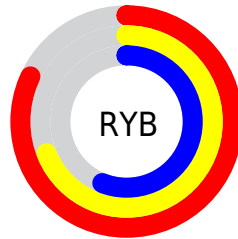
# Distribution



Red (82%)

Green (65%)

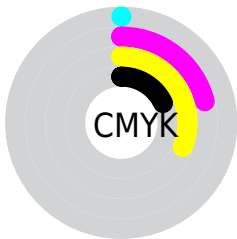
Blue (56%)



Red (82%)

Yellow (69%)

Blue (56%)

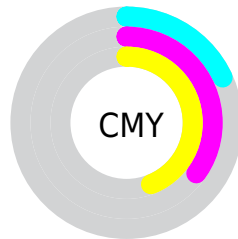


Cyan (0%)

Magenta (21%)

Yellow (31%)

Black (18%)



Cyan (18%)

Magenta (35%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5016, 42.3338, 32.2113 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 44.5016, 42.3338, 32.2113 by changing the saturation by 10% instead.




 44.5016, 42.3338,  
32.2113


 44.5016, 42.3338,  
32.2113


355.5690,  
355.8648, 326.6030

 31.2646, 29.3628,  
21.2568


 81.2137, 78.7046,  
64.2439

 20.9533, 19.3554,  
13.1188


 105.4195,  
102.8731, 86.1592

 13.2021, 11.9274,  
7.3787

134.0123,  
131.5429, 112.5650

 7.6458, 6.6942,  
3.6180

167.3575,  
165.0983, 143.8801

 3.9191, 3.2716,  
1.4182

205.8204,  
203.9239, 180.5229

 1.6564, 1.2751,  
0.1559

249.7664,

 0.4288, 0.1218,

248.4039, 222.9119

0.0000

299.5608,  
298.9227, 271.4658

■ 0.0000, 0.0000,  
0.0000

■ 44.5016, 42.3338,  
32.2113

■ 44.5016, 42.3338,  
32.2113

■ 40.6720, 36.9885,  
23.8009

■ 48.9018, 48.3511,  
42.2579

■ 37.3846, 32.2851,  
16.9362

■ 53.8925, 55.0571,  
54.0191

■ 34.6138, 28.2000,  
11.5221

■ 59.4968, 62.4755,  
67.5717

■ 32.3299, 24.7057,  
7.4516

■ 65.7354, 70.6270,  
82.9866

■ 30.5001, 21.7723,  
4.6025

■ 72.6280, 79.5314,  
100.3313

■ 29.0864, 19.3669,  
2.8303

■ 77.8908, 88.2866,  
107.5435

■ 28.0956, 17.5762,  
1.9117

■ 79.8225, 92.1499,  
108.1874

# Harmonies

## Analogous

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



46.8586, 42.3338, 38.9209



44.5016, 42.3338, 32.2113



41.0946, 42.3338, 29.2981

# Triad

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



44.5016, 42.3338, 32.2113



33.8401, 42.3338, 43.6982



42.9427, 42.3338, 66.5508

# Complementary

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



44.5016, 42.3338, 32.2113



40.6565, 46.0225, 66.4150

# 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.



39.3914, 42.3338, 68.3267



44.5016, 42.3338, 32.2113



34.2706, 42.3338, 54.0991

# Square

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



44.5016, 42.3338, 32.2113



35.0415, 42.3338, 35.2678



36.2540, 42.3338, 63.4837



45.9223, 42.3338, 58.9366



# Rectangle

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



44.5016, 42.3338, 32.2113



38.7409, 42.3338, 29.5465



36.2540, 42.3338, 63.4837



41.7712, 42.3338, 67.8920

# Sweetspot

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



44.5027, 42.3358, 32.2122



86.8498, 89.1634, 89.0140



45.0344, 36.9762, 52.1902



18.3221, 18.7287, 18.4127



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.



44.5027, 42.3358, 32.2122



66.4074, 61.3513, 41.8986



50.8468, 55.0240, 34.3269



12.1211, 12.4329, 12.3730



17.5898, 11.1126, 1.2179



1.0555, 0.7652, 0.0921

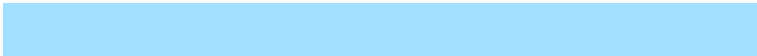


# Inverse Universe

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



40.6565, 46.0225, 66.4150



59.3425, 68.0908, 104.6229



34.7310, 34.1714, 64.4398



11.8178, 12.7258, 15.0771



13.0083, 14.6631, 39.3371



0.7981, 0.9615, 2.2231



# Previews

## White Background



This preview shows how the XYZ color 44.5016, 42.3338, 32.2113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

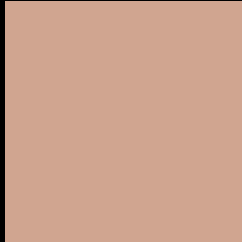
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5016, 42.3338, 32.2113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

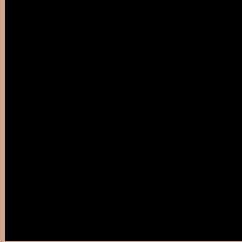
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.5016, 42.3338, 32.2113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5016, 42.3338, 32.2113.



This preview shows how white text looks on a background with the XYZ color 44.5016, 42.3338,



# 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

44.5016, 42.3338, 32.2113

### Protanopia

40.0098, 42.4775, 34.1072

### Deuteranopia

43.3938, 42.5754, 32.3163



## Tritanopia

47.1517, 42.3558, 45.2255

# Trichromacy



## Original Color

44.5016, 42.3338, 32.2113

## Protanomaly

41.5676, 42.4389, 33.6044

## Deuteranomaly

43.7546, 42.4884, 32.2805

## Tritanomaly

46.0203, 42.1509, 39.8928

# Monochromacy



## Original Color

44.5016, 42.3338, 32.2113

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.7573, 42.3710, 41.0995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5016, 42.3338, 32.2113 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(208, 165, 144)` looks like.

```
.text, #text, p{  
    color:rgb(208, 165, 144)  
}
```

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(208, 165, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 165, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5016, 42.3338, 32.2113 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(208, 165, 144) }
```



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

```
.border{ border-color:rgb(208, 165, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 165, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 165, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 165, 144);  
box-shadow:4px 4px 4px 4px rgb(208, 165,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5016, 42.3338, 32.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 165, 144) }
```

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

```
.background{ background-color: rgb(208,  
165, 144) }
```

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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