

# Converting Colors

XYZ(45.7456, 43.4982, 33.4347)

Have a look what the booklet for  
XYZ(45.7456, 43.4982, 33.4347)  
contains.

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# Color

**XYZ(45.6635, 43.4457,  
33.5829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2A793
RGB	210, 167, 147
RGB Percent	82%, 65%, 58%
CMY	0.1765, 0.3451, 0.4235
CMYK	0.00, 0.20, 0.30, 0.18
HSL	19°, 41%, 70%
HSV	19°, 30%, 82%
XYZ	45.6635, 43.4457, 33.5829
YIQ	177.5770, 32.0480, 2.8960

# Conversions

## Conversions Part 2

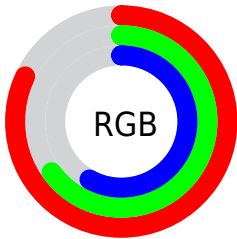
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 176, 147
Decimal	13805459
CIE Lab	71.86, 12.91, 16.35
CIE LCh	72, 20.832, 51.696
Yxy	43.4457, 0.3722, 0.3541
Android (android.graphics.Color)	4291995539 (0xFFD2A793)
YUV	177.5770, -15.0745, 28.4350
Hunter-Lab	65.9134, 8.3130, 15.9310

# Details

The XYZ color **45.6635, 43.4457, 33.5829** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.0783, 47.6814, 67.9584**, and the grayscale version is **42.1597, 44.3553, 48.3029**.

A 20% lighter version of the original color is **77.9039, 77.7196, 66.1537**, and **21.5685, 19.9760, 13.7853** is the 20% darker color. If you saturate the color by 10%, you get **41.6822, 37.8838, 24.8545**, and if you desaturate by 10%, it is **50.2389, 49.7139, 43.9943**.

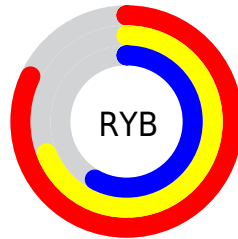
# Distribution



Red (82%)

Green (65%)

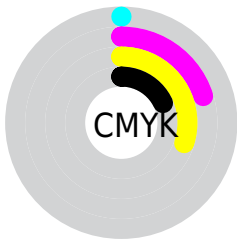
Blue (58%)



Red (82%)

Yellow (69%)

Blue (58%)

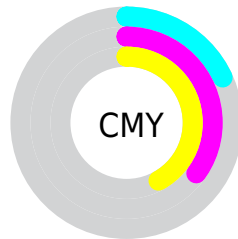


Cyan (0%)

Magenta (20%)

Yellow (30%)

Black (18%)



Cyan (18%)

Magenta (35%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6635, 43.4457, 33.5829 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 45.6635, 43.4457, 33.5829 by changing the saturation by 10% instead.





 45.6635, 43.4457,  
33.5829

 45.6635, 43.4457,  
33.5829


360.1928,  
360.4415, 332.9804

 32.1839, 30.2350,  
22.2986


 82.9461, 80.3830,  
66.4110

 21.6582, 20.0170,  
13.8761


 107.4798,  
104.8784, 88.7918

 13.7212, 12.4074,  
7.8967


136.4289,  
133.9041, 115.7086

 8.0074, 7.0218,  
3.9421

170.1588,  
167.8445, 147.5799

 4.1515, 3.4757,  
1.5936

209.0347,  
207.0841, 184.8241

 1.7882, 1.3849,  
0.2863

253.4221,

 0.5106, 0.2055,

252.0072, 227.8600

0.0000

303.6864,  
302.9982, 277.1059

■ 0.0000, 0.0000,  
0.0000

■ 45.6635, 43.4457,  
33.5829

■ 45.6635, 43.4457,  
33.5829

■ 41.6822, 37.8838,  
24.8545

■ 50.2389, 49.7139,  
43.9943

■ 38.2658, 32.9968,  
17.7172

■ 55.4292, 56.7066,  
56.1689

■ 35.3875, 28.7596,  
12.0738

■ 61.2582, 64.4485,  
70.1848

■ 33.0169, 25.1431,  
7.8157

■ 67.7475, 72.9616,  
86.1146

■ 31.1198, 22.1158,  
4.8192

■ 74.9176, 82.2668,  
104.0271

■ 29.6572, 19.6428,  
2.9379

■ 79.7525, 91.1699,  
108.0019

■ 28.5667, 17.6783,  
1.9067

■ 80.3883, 92.4416,  
108.2138

■ 28.5666, 17.6782,  
1.9066

# Harmonies

## Analogous

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



47.9549, 43.4457, 40.4506



45.6635, 43.4457, 33.5829



42.2859, 43.4457, 30.5016

# Triad

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



45.6635, 43.4457, 33.5829



34.9110, 43.4457, 44.5418



43.8647, 43.4457, 67.8552

# Complementary

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



45.6635, 43.4457, 33.5829



42.0783, 47.6814, 67.9584

# 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.



40.3174, 43.4457, 69.3645



45.6635, 43.4457, 33.5829



35.2800, 43.4457, 54.8930

# Square

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



45.6635, 43.4457, 33.5829



36.1736, 43.4457, 36.2097



37.2122, 43.4457, 64.3328



46.8757, 43.4457, 60.4627



# Rectangle

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



45.6635, 43.4457, 33.5829



39.9277, 43.4457, 30.6516



37.2122, 43.4457, 64.3328



42.6908, 43.4457, 69.1059

# Sweetspot

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



45.6646, 43.4477, 33.5838



86.7780, 89.0198, 88.9900



46.3121, 38.2894, 53.6938



18.3045, 18.6935, 18.4068



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.



45.6646, 43.4477, 33.5838



66.7953, 61.7645, 43.1456



52.1421, 56.4026, 35.7429



12.1107, 12.4122, 12.3695



17.5057, 10.9444, 1.1898



1.0498, 0.7540, 0.0902

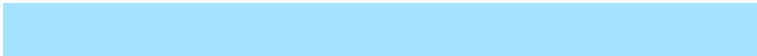


# Inverse Universe

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



42.0783, 47.6814, 67.9584



60.3510, 69.3391, 104.8107



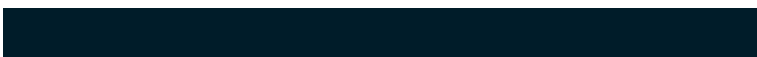
35.9868, 35.4985, 65.9280



11.8286, 12.7475, 15.0807



13.2106, 15.0677, 39.4046



0.8083, 0.9819, 2.2265



# Previews

## White Background



This preview shows how the XYZ color 45.6635, 43.4457, 33.5829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

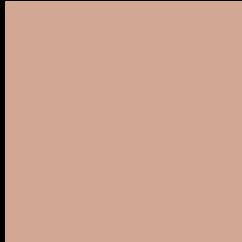
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6635, 43.4457, 33.5829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

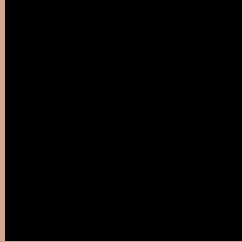
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.6635, 43.4457, 33.5829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6635, 43.4457, 33.5829.



This preview shows how white text looks on a background with the XYZ color 45.6635, 43.4457,



# 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

45.6635, 43.4457, 33.5829

### Protanopia

41.1188, 43.5993, 35.5265

### Deuteranopia

44.5430, 43.6934, 33.6898



## Tritanopia

48.2756, 43.4357, 46.3970

# Trichromacy



## Original Color

45.6635, 43.4457, 33.5829

## Protanomaly

42.6967, 43.5585, 35.0114

## Deuteranomaly

44.9080, 43.6043, 33.6533

## Tritanomaly

47.2184, 43.2646, 41.4595

# Monochromacy



## Original Color

45.6635, 43.4457, 33.5829

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.3463, 44.0093, 42.7693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6635, 43.4457, 33.5829 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(210, 167, 147)` looks like.

```
.text, #text, p{  
    color:rgb(210, 167, 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(210, 167, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 167, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6635, 43.4457, 33.5829 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(210, 167, 147) }
```



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

```
.border{ border-color:rgb(210, 167, 147) }
```

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

Here you see how a box with a 4 pixel rgb(210, 167, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 167, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 167, 147);  
box-shadow:4px 4px 4px 4px rgb(210, 167,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6635, 43.4457, 33.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 167, 147) }
```

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

```
.background{ background-color: rgb(210,  
167, 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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