

# Converting Colors

XYZ(63.5365, 68.1504, 63.5929)

Have a look what the booklet for  
XYZ(63.5365, 68.1504, 63.5929)  
contains.

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# Color

**XYZ(63.4799, 67.9870,  
63.8099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D8C7
RGB	217, 216, 199
RGB Percent	85%, 85%, 78%
CMY	0.1490, 0.1529, 0.2196
CMYK	0.00, 0.00, 0.08, 0.15
HSL	57°, 19%, 82%
HSV	57°, 8%, 85%
XYZ	63.4799, 67.9870, 63.8099
YIQ	214.3610, 6.0530, -5.0750

# Conversions

## Conversions Part 2

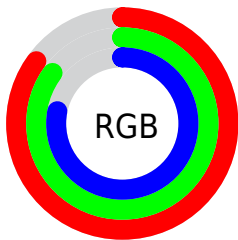
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 217, 199
Decimal	14276807
CIE Lab	86.00, -2.60, 8.49
CIE LCh	86, 8.883, 107.020
Yxy	67.9870, 0.3251, 0.3482
Android (android.graphics.Color)	4292466887 (0xFFD9D8C7)
YUV	214.3610, -7.5730, 2.3144
Hunter-Lab	82.4542, -6.8712, 11.8345

# Details

The XYZ color **63.4799, 67.9870, 63.8099** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7317, 58.4593, 73.9399**, and the grayscale version is **64.2078, 67.5516, 73.5637**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7560, 35.2155, 31.8589** is the 20% darker color. If you saturate the color by 10%, you get **60.8324, 66.4401, 51.3708**, and if you desaturate by 10%, it is **66.4928, 69.6881, 78.1450**.

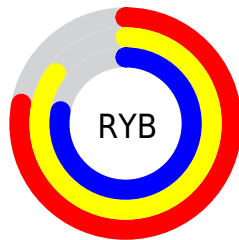
# Distribution



Red (85%)

Green (85%)

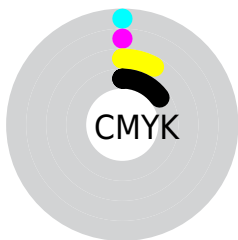
Blue (78%)



Red (78%)

Yellow (85%)

Blue (78%)

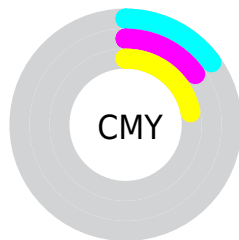


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4799, 67.9870, 63.8099 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 63.4799, 67.9870, 63.8099 by changing the saturation by 10% instead.



■ 63.4799, 67.9870,  
63.8099

■ 63.4799, 67.9870,  
63.8099

426.9411,  
453.4500, 456.6914

■ 46.4897, 49.8872,  
46.0515

108.9395,  
116.3335, 111.9339

■ 32.8386, 35.3237,  
31.9375

138.1396,  
147.3490, 143.1367

■ 22.1615, 23.9124,  
21.0494

172.1403,  
183.4385, 179.6580

■ 14.0929, 15.2686,  
12.9685

211.3070,  
224.9864, 221.9164

■ 8.2674, 9.0081,  
7.2764

256.0051,  
272.3771, 270.3303

■ 4.3198, 4.7465,  
3.5545

306.5999,

■ 1.8846, 2.0993,

325.9950, 325.3185

1.3843

363.4568,  
386.2245, 387.2993

■ 0.5679, 0.6642,  
0.1294

■ 0.0000, 0.0000,  
0.0000

■ 63.4799, 67.9870,  
63.8099

■ 63.4799, 67.9870,  
63.8099

■ 60.8324, 66.4401,  
51.3708

■ 66.4928, 69.6881,  
78.1450

■ 58.5294, 65.0324,  
40.7435

■ 69.8796, 71.5401,  
94.4467

■ 56.5567, 63.7603,  
31.8443

■ 72.1552, 72.9513,  
104.8858

■ 54.8968, 62.6170,  
24.5810

■ 72.4706, 73.5820,  
104.9909

■ 53.5304, 61.5946,  
18.8527

■ 72.7882, 74.2172,  
105.0967

■ 52.4363, 60.6847,  
14.5476

■ 73.1080, 74.8569,  
105.2034

■ 51.5905, 59.8776,  
11.5385

■ 73.4302, 75.5012,  
105.3107

■ 50.9645, 59.1620,  
9.6759

■ 73.7546, 76.1500,  
105.4189

■ 50.5164, 58.5212,  
8.7395

■ 74.0813, 76.8034,  
105.5278

# Harmonies

## Analogous

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



65.5034, 67.9870, 63.6247



63.4799, 67.9870, 63.8099



61.7963, 67.9870, 66.6392

# Triad

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



63.4799, 67.9870, 63.8099



61.9860, 67.9870, 82.5398



68.5120, 67.9870, 76.5745

# Complementary

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



63.4799, 67.9870, 63.8099



56.7317, 58.4593, 73.9399

# 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.



67.5277, 67.9870, 81.9400



63.4799, 67.9870, 63.8099



63.7438, 67.9870, 85.5039

# Square

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



63.4799, 67.9870, 63.8099



60.9462, 67.9870, 77.3585



65.7729, 67.9870, 85.2788



68.4377, 67.9870, 70.7912



# Rectangle

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



63.4799, 67.9870, 63.8099



61.0803, 67.9870, 69.7327



65.7729, 67.9870, 85.2788



68.2931, 67.9870, 78.4926

# Sweetspot

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



63.4818, 67.9900, 63.8114



94.1497, 99.4961, 104.6027



59.4882, 59.7790, 63.1703



20.1614, 21.3015, 22.4343



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.



63.4818, 67.9900, 63.8114



90.7646, 97.5687, 88.5441



61.4735, 67.3344, 63.7907



14.0973, 15.1340, 13.9037



30.5639, 35.4134, 5.2246



1.9993, 2.3327, 0.3449



# Inverse Universe

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



56.7317, 58.4593, 73.9399



79.0736, 81.0619, 106.0866



58.6249, 59.0942, 73.9626



12.3962, 12.7321, 16.4563



7.6857, 3.2408, 39.9589

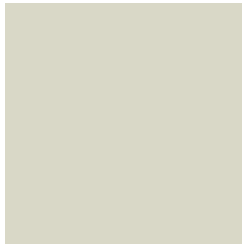


0.5187, 0.2516, 2.5957



# Previews

## White Background



This preview shows how the XYZ color 63.4799, 67.9870, 63.8099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

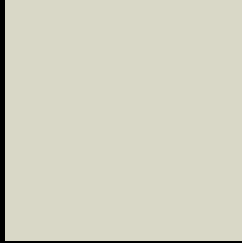
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4799, 67.9870, 63.8099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

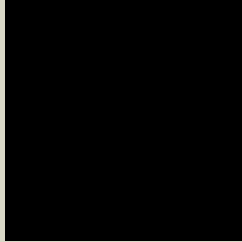
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

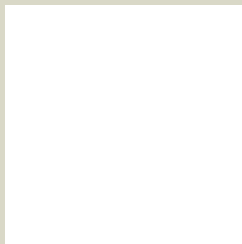
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.4799, 67.9870, 63.8099**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4799, 67.9870, 63.8099.



This preview shows how white text looks on a background with the XYZ color 63.4799, 67.9870,



# 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

63.4799, 67.9870, 63.8099

### Protanopia

64.6710, 67.8583, 63.1155

### Deuteranopia

69.3741, 68.0296, 64.7329



## Tritanopia

67.3659, 68.0606, 82.9852

# Trichromacy



## Original Color

63.4799, 67.9870, 63.8099

## Protanomaly

64.3123, 68.0502, 63.1715

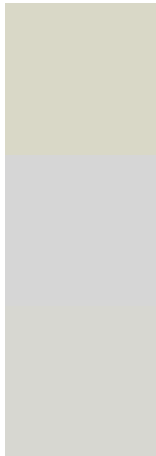
## Deuteranomaly

66.9983, 67.9145, 64.2212

## Tritanomaly

65.8338, 67.8139, 75.2652

# Monochromacy



## Original Color

63.4799, 67.9870, 63.8099

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.8334, 67.6514, 70.0152

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4799, 67.9870, 63.8099 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(217, 216, 199) looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 199)  
}
```

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(217, 216, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4799, 67.9870, 63.8099 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(217, 216, 199) }
```



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

```
.border{ border-color:rgb(217, 216, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 199);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4799, 67.9870, 63.8099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 199) }
```

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

```
.background{ background-color: rgb(217,  
216, 199) }
```

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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