

Converting Colors

XYZ(68.4415, 72.7704, 67.5009)

Have a look what the booklet for
XYZ(68.4415, 72.7704, 67.5009)
contains.

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Color

**XYZ(68.3844, 72.7709,
67.5687)**

Conversions

Conversions Part 1

Format	Color
Hex	E2DECC
RGB	226, 222, 204
RGB Percent	89%, 87%, 80%
CMY	0.1137, 0.1294, 0.2000
CMYK	0.00, 0.02, 0.10, 0.11
HSL	49°, 28%, 84%
HSV	49°, 10%, 89%
XYZ	68.3844, 72.7709, 67.5687
YIQ	221.1440, 8.1620, -4.7500

Conversions

Conversions Part 2

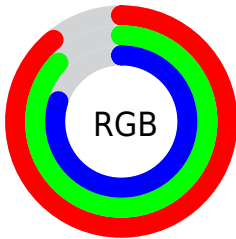
Format	Color
R _Y B	209, 226, 204
Decimal	14868172
CIE Lab	88.34, -1.70, 9.30
CIE LCh	88, 9.456, 100.367
Yxy	72.7709, 0.3276, 0.3486
Android (android.graphics.Color)	4293058252 (0xFFE2DECC)
YUV	221.1440, -8.4520, 4.2587
Hunter-Lab	85.3059, -6.1929, 12.7519

Details

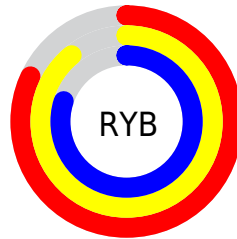
The XYZ color **68.3844, 72.7709, 67.5687** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.1852, 63.4391, 80.9725**, and the grayscale version is **68.8835, 72.4708, 78.9207**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1183, 38.4974, 34.3813** is the 20% darker color. If you saturate the color by 10%, you get **64.7918, 69.6129, 53.9542**, and if you desaturate by 10%, it is **72.4009, 76.1457, 83.2669**.

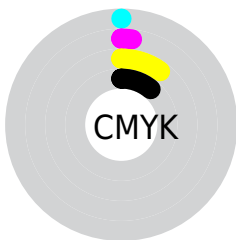
Distribution



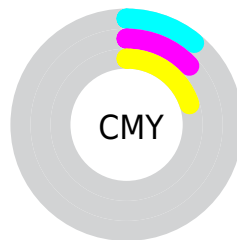
- Red (89%)
- Green (87%)
- Blue (80%)



- Red (82%)
- Yellow (89%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3844, 72.7709, 67.5687 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 68.3844, 72.7709, 67.5687 by changing the saturation by 10% instead.

■ 68.3844, 72.7709,
67.5687

■ 68.3844, 72.7709,
67.5687

444.2122,
470.2204, 470.5229

■ 50.4853, 53.7887,
49.0824

115.9408,
123.1519, 117.3833

■ 36.0186, 38.4327,
34.3188

146.3288,
155.3195, 149.5487

■ 24.6187, 26.3187,
22.8593

181.6105,
192.6509, 187.1109

■ 15.9204, 17.0622,
14.2853

222.1513,
235.5307, 230.4885

■ 9.5584, 10.2789,
8.1784

268.3165,
284.3431, 280.0999

■ 5.1671, 5.5842,
4.1199

320.4715,

■ 2.3814, 2.5940,

339.4726, 336.3638

1.6913

378.9816,
401.3036, 399.6986

■ 0.8358, 0.9236,
0.3548

■ 0.0000, 0.0000,
0.0000

■ 68.3844, 72.7709,
67.5687

■ 68.3844, 72.7709,
67.5687

■ 64.7918, 69.6129,
53.9542

■ 72.4009, 76.1457,
83.2669

■ 61.6001, 66.6551,
42.3297

■ 76.8515, 79.7345,
101.1275

■ 58.7930, 63.8930,
32.6015

■ 78.9283, 82.4168,
106.3558

■ 56.3508, 61.3184,
24.6665

■ 80.1127, 84.7855,
106.7506

■ 54.2518, 58.9224,
18.4116

■ 81.3243, 87.2088,
107.1545

■ 52.4720, 56.6950,
13.7109

■ 82.5634, 89.6869,
107.5675

■ 50.9837, 54.6249,
10.4208

■ 83.8301, 92.2203,
107.9897

■ 49.7546, 52.6987,
8.3707

■ 85.1246, 94.8093,
108.4212

■ 48.7297, 50.8943,
7.2725

■ 85.1744, 94.9089,
108.4378

Harmonies

Analogous

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



70.6428, 72.7709, 68.0396



68.3844, 72.7709, 67.5687



66.3791, 72.7709, 70.0913

Triad

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



68.3844, 72.7709, 67.5687



65.8954, 72.7709, 87.6066



73.3577, 72.7709, 83.5079

Complementary

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



68.3844, 72.7709, 67.5687



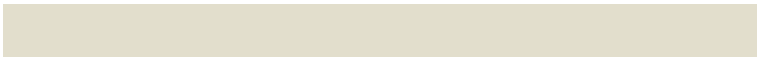
61.1852, 63.4391, 80.9725

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.



72.0310, 72.7709, 89.1416



68.3844, 72.7709, 67.5687



67.7110, 72.7709, 91.5960

Square

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



68.3844, 72.7709, 67.5687



64.9630, 72.7709, 81.5050



69.9547, 72.7709, 92.1726



73.5476, 72.7709, 77.0078

Rectangle

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



68.3844, 72.7709, 67.5687



65.4432, 72.7709, 73.2163



69.9547, 72.7709, 92.1726



73.0286, 72.7709, 85.5751

Sweetspot

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



68.3864, 72.7741, 67.5703



93.4009, 98.6337, 102.3946



64.3471, 63.9113, 68.6417



19.8992, 21.0344, 21.5538



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.



68.3864, 72.7741, 67.5703



88.7614, 94.6886, 84.4043



67.3198, 73.8185, 67.8281



14.6490, 15.5840, 14.5427



27.8653, 29.1686, 4.1614



1.9873, 2.1335, 0.3071

Inverse Universe

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



61.1852, 63.4391, 80.9725



77.1997, 79.7014, 105.9228



62.1757, 62.5218, 80.7432



13.1524, 13.6439, 17.3280



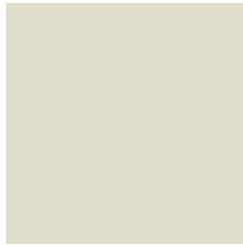
8.3469, 4.1633, 41.4120



0.6384, 0.4082, 2.8904

Previews

White Background



This preview shows how the XYZ color 68.3844, 72.7709, 67.5687 looks on a white background.

Color Contrast Check

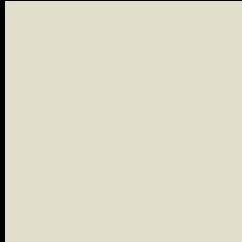
Large Text (above 18pt) WCAG AA × Fail

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 68.3844, 72.7709, 67.5687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

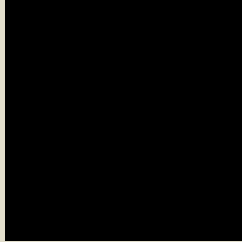
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

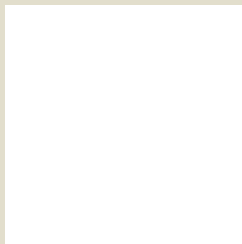
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3844, 72.7709, 67.5687

Background



This preview shows how black text looks on a background with the XYZ color 68.3844, 72.7709, 67.5687.



This preview shows how white text looks on a background with the XYZ color 68.3844, 72.7709, 67.5687.

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

68.3844, 72.7709, 67.5687

Protanopia

69.2691, 72.8477, 66.9101

Deuteranopia

74.2541, 72.6891, 68.5093



Tritanopia

72.4414, 72.4469, 88.7628

Trichromacy



Original Color

68.3844, 72.7709, 67.5687

Protanomaly

68.9490, 72.6827, 66.8951

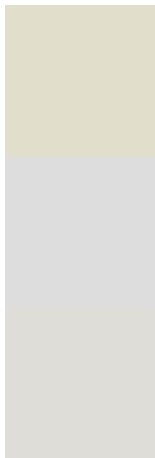
Deuteranomaly

72.1079, 72.7343, 67.9962

Tritanomaly

71.0992, 72.7029, 80.8067

Monochromacy



Original Color

68.3844, 72.7709, 67.5687

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.5536, 72.3072, 74.6335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3844, 72.7709, 67.5687 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(226, 222, 204) looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 204)  
}
```

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(226, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 204) }
```

Border

The CSS property to change the border of an element to XYZ 68.3844, 72.7709, 67.5687 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(226, 222, 204) }
```


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

```
.border{ border-color:rgb(226, 222, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 222, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 222, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 222, 204); box-shadow:4px 4px 4px 4px rgb(226, 222, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3844, 72.7709, 67.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 204) }
```

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

```
.background{ background-color: rgb(226,  
222, 204) }
```

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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