

Converting Colors

XYZ(67.8186, 71.6949, 57.8187)

Have a look what the booklet for
XYZ(67.8186, 71.6949, 57.8187)
contains.

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Color

**XYZ(67.6873, 71.4497,
57.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	E8DBBC
RGB	232, 219, 188
RGB Percent	91%, 86%, 74%
CMY	0.0902, 0.1412, 0.2627
CMYK	0.00, 0.06, 0.19, 0.09
HSL	42°, 49%, 82%
HSV	42°, 19%, 91%
XYZ	67.6873, 71.4497, 57.8006
YIQ	219.3530, 17.6990, -6.8850

Conversions

Conversions Part 2

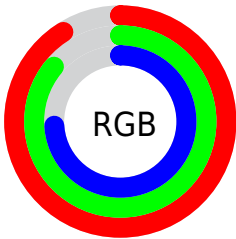
Format	Color
RYB	206, 232, 188
Decimal	15260604
CIELab	87.70, -0.49, 16.86
CIELCh	88, 16.865, 91.668
Yxy	71.4497, 0.3437, 0.3628
Android (android.graphics.Color)	4293450684 (0xFFE8DBBC)
YUV	219.3530, -15.4570, 11.0914
Hunter-Lab	84.5279, -4.9867, 18.6268

Details

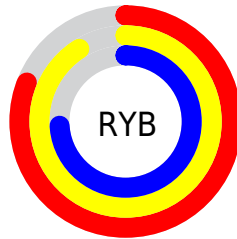
The XYZ color **67.6873, 71.4497, 57.8006** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.1908, 58.2894, 84.6337**, and the grayscale version is **67.6741, 71.1984, 77.5350**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **35.5531, 37.5303, 28.2919** is the 20% darker color. If you saturate the color by 10%, you get **63.6343, 67.0292, 45.0868**, and if you desaturate by 10%, it is **72.2198, 76.1846, 72.6594**.

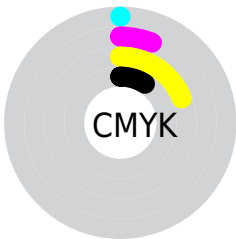
Distribution



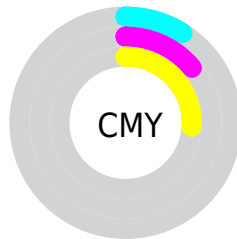
- Red (91%)
- Green (86%)
- Blue (74%)



- Red (81%)
- Yellow (91%)
- Blue (74%)



- Cyan (0%)
- Magenta (6%)
- Yellow (19%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6873, 71.4497, 57.8006 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 67.6873, 71.4497, 57.8006 by changing the saturation by 10% instead.

67.6873, 71.4497,
57.8006

67.6873, 71.4497,
57.8006

441.7814,
465.6239, 434.0200

49.9161, 52.7093,
41.2347

114.9491,
121.2738, 103.1443

35.5643, 37.5707,
28.1815

145.1704,
153.1263, 132.7593

24.2664, 25.6497,
18.2223

180.2724,
190.1183, 167.5610

15.6572, 16.5618,
10.9386

220.6206,
232.6341, 207.9680

9.3712, 9.9225,
5.9119

266.5802,
281.0582, 254.3989

5.0431, 5.3476,
2.7237

318.5166,

2.3076, 2.4526,

335.7749, 307.2721

0.9553

376.7953,
397.1687, 367.0063

■ 0.7986, 0.8528,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6873, 71.4497,
57.8006

■ 67.6873, 71.4497,
57.8006

■ 63.6343, 67.0292,
45.0868

■ 72.2198, 76.1846,
72.6594

■ 60.0351, 62.9042,
34.4122

■ 77.2448, 81.2331,
89.7532

■ 56.8699, 59.0677,
25.6688

■ 82.3601, 86.4383,
106.9512

■ 54.1151, 55.5088,
18.7367

■ 84.4106, 90.5393,
107.6347

■ 51.7445, 52.2156,
13.4825

■ 86.5380, 94.7942,
108.3438

■ 49.7284, 49.1747,
9.7545

■ 87.0889, 95.8959,
108.5274

■ 48.0318, 46.3705,
7.3729

■ 46.6016, 43.7803,
6.0632

■ 46.4617, 43.5215,
5.9517

Harmonies

Analogous

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



71.6246, 71.4497, 59.9831



67.6873, 71.4497, 57.8006



63.9546, 71.4497, 60.5235

Triad

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



67.6873, 71.4497, 57.8006



61.5762, 71.4497, 89.9361



74.9042, 71.4497, 88.7191

Complementary

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



67.6873, 71.4497, 57.8006



56.1908, 58.2894, 84.6337

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.



72.0269, 71.4497, 98.0781



67.6873, 71.4497, 57.8006



64.3276, 71.4497, 98.8278

Square

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



67.6873, 71.4497, 57.8006



60.5132, 71.4497, 78.4391



68.1348, 71.4497, 101.9422



75.8880, 71.4497, 77.1576

Rectangle

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



67.6873, 71.4497, 57.8006



62.0576, 71.4497, 64.9257



68.1348, 71.4497, 101.9422



74.1209, 71.4497, 92.2650

Sweetspot

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



67.6892, 71.4529, 57.8021



91.2590, 96.2042, 95.9640



61.8288, 57.3496, 63.1935



19.4478, 20.5051, 20.2521



0.0000, 0.0000, 0.0000



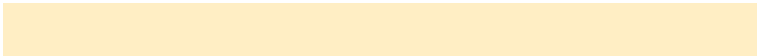
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6892, 71.4529, 57.8021



81.7246, 86.2234, 64.7691



68.4274, 77.0643, 58.8463



15.2233, 16.0605, 15.2021



25.9080, 24.3902, 3.3423



1.9942, 1.9618, 0.2736

Inverse Universe

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



56.1908, 58.2894, 84.6337



64.8697, 66.9299, 104.1075



55.5231, 53.6369, 83.7709



13.9280, 14.5774, 18.2240



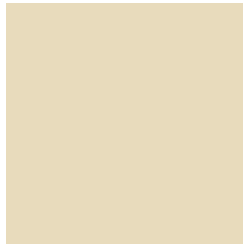
9.3465, 5.7551, 43.0014



0.7692, 0.5824, 3.2038

Previews

White Background



This preview shows how the XYZ color 67.6873, 71.4497, 57.8006 looks on a white background.

Color Contrast Check

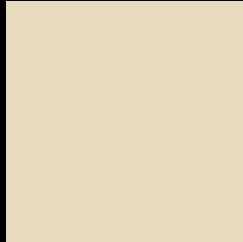
Large Text (above 18pt) WCAG AA × Fail

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 67.6873, 71.4497, 57.8006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

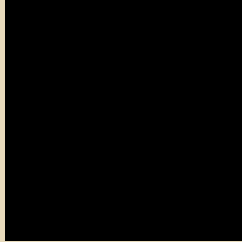
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6873, 71.4497, 57.8006

Background



This preview shows how black text looks on a background with the XYZ color 67.6873, 71.4497, 57.8006.



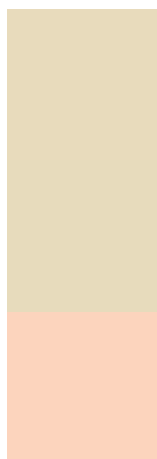
This preview shows how white text looks on a background with the XYZ color 67.6873, 71.4497,

57.8006.

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

67.6873, 71.4497, 57.8006

Protanopia

67.3636, 71.2828, 57.7855

Deuteranopia

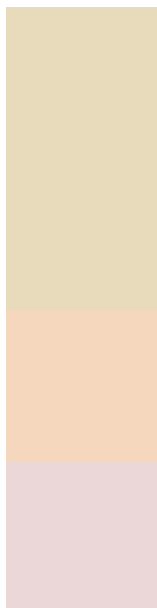
72.8737, 71.4565, 58.0957



Tritanopia

73.0022, 71.3062, 84.7788

Trichromacy



Original Color

67.6873, 71.4497, 57.8006

Protanomaly

67.3636, 71.2828, 57.7855

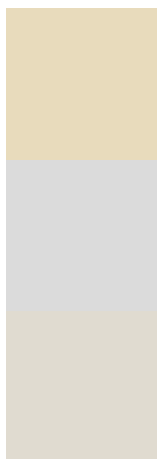
Deuteranomaly

71.1419, 71.6875, 58.2316

Tritanomaly

70.8271, 71.1693, 74.2940

Monochromacy



Original Color

67.6873, 71.4497, 57.8006

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4572, 71.0644, 69.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6873, 71.4497, 57.8006 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(232, 219, 188)` looks like.

```
.text, #text, p{  
    color:rgb(232, 219, 188)  
}
```

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(232, 219, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 219, 188) }
```

Border

The CSS property to change the border of an element to XYZ 67.6873, 71.4497, 57.8006 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(232, 219, 188) }
```


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

```
.border{ border-color:rgb(232, 219, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 219, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 219, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 219, 188);  
box-shadow:4px 4px 4px 4px rgb(232, 219,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6873, 71.4497, 57.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 219, 188) }
```

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

```
.background{ background-color: rgb(232,  
219, 188) }
```

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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