

Converting Colors

XYZ(67.8459, 70.6459, 62.8835)

Have a look what the booklet for
XYZ(67.8459, 70.6459, 62.8835)
contains.

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Color

**XYZ(67.8459, 70.6459,
62.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D9C5
RGB	231, 217, 197
RGB Percent	91%, 85%, 77%
CMY	0.0941, 0.1490, 0.2274
CMYK	0.00, 0.06, 0.15, 0.09
HSL	35°, 41%, 84%
HSV	35°, 15%, 91%
XYZ	67.8459, 70.6459, 62.8835
YIQ	218.9060, 14.7640, -3.2520

Conversions

Conversions Part 2

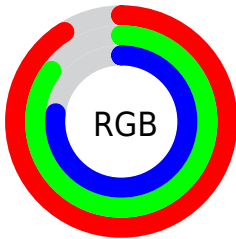
Format	Color
R _Y B	221, 231, 197
Decimal	15194565
CIE Lab	87.31, 1.54, 11.57
CIE LCh	87, 11.673, 82.419
Yxy	70.6459, 0.3369, 0.3508
Android (android.graphics.Color)	4293384645 (0xFFE7D9C5)
YUV	218.9060, -10.7997, 10.6064
Hunter-Lab	84.0511, -3.0046, 14.4775

Details

The XYZ color **67.8459, 70.6459, 62.8835** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.7437, 64.2270, 84.7973**, and the grayscale version is **67.3338, 70.8404, 77.1452**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **35.5575, 36.9378, 31.2422** is the 20% darker color. If you saturate the color by 10%, you get **63.0191, 64.9081, 49.2012**, and if you desaturate by 10%, it is **73.2234, 76.8346, 78.7521**.

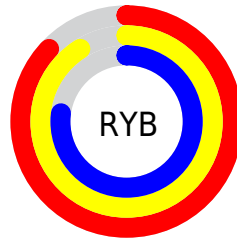
Distribution



Red (91%)

Green (85%)

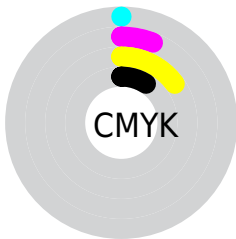
Blue (77%)



Red (87%)

Yellow (91%)

Blue (77%)

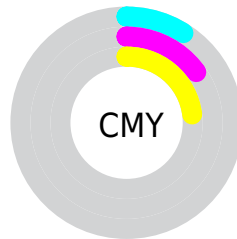


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8459, 70.6459, 62.8835 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 67.8459, 70.6459, 62.8835 by changing the saturation by 10% instead.

67.8459, 70.6459,
62.8835

67.8459, 70.6459,
62.8835

442.3351,
462.8146, 453.2429

50.0456, 52.0533,
45.3066

115.1748,
120.1294, 110.5854

35.6676, 37.0475,
31.3543

145.4341,
151.7891, 141.5474

24.3465, 25.2443,
20.6080

180.5771,
188.5732, 177.8082

15.7170, 16.2592,
12.6493

220.9691,
230.8662, 219.7863

9.4137, 9.7077,
7.0597

266.9756,
279.0524, 267.9003

5.0712, 5.2056,
3.4204

318.9619,

2.3243, 2.3684,

333.5163, 322.5687

1.3131

377.2933,
394.6423, 384.2100

■ 0.8071, 0.8096,
0.0725

■ 0.0000, 0.0000,
0.0000

■ 67.8459, 70.6459,
62.8835

■ 67.8459, 70.6459,
62.8835

■ 63.0191, 64.9081,
49.2012

■ 73.2234, 76.8346,
78.7521

■ 58.7165, 59.5999,
37.6030

■ 79.1655, 83.4765,
96.8940

■ 54.9178, 54.7116,
27.9851

■ 83.8187, 89.8360,
107.5301

■ 51.5989, 50.2295,
20.2331

■ 86.7652, 95.7290,
108.5123

■ 48.7335, 46.1391,
14.2207

■ 46.2920, 42.4243,
9.8056

■ 44.2407, 39.0673,
6.8227

■ 42.5384, 36.0472,
5.0701

■ 41.7474, 34.5733,
4.4730

Harmonies

Analogous

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



70.4191, 70.6459, 65.5484



67.8459, 70.6459, 62.8835



65.1531, 70.6459, 63.7713

Triad

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



67.8459, 70.6459, 62.8835



62.3828, 70.6459, 82.8341



71.4190, 70.6459, 86.5181

Complementary

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



67.8459, 70.6459, 62.8835



60.7437, 64.2270, 84.7973

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.



69.1808, 70.6459, 91.7652



67.8459, 70.6459, 62.8835



63.9775, 70.6459, 89.5392

Square

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



67.8459, 70.6459, 62.8835



62.0474, 70.6459, 74.9433



66.4525, 70.6459, 92.9068



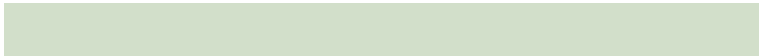
72.5183, 70.6459, 78.9339

Rectangle

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



67.8459, 70.6459, 62.8835



63.6475, 70.6459, 66.2886



66.4525, 70.6459, 92.9068



70.7720, 70.6459, 88.6344

Sweetspot

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



67.8478, 70.6490, 62.8850



92.1261, 96.7107, 100.0377



64.7008, 61.6339, 70.2249



19.6038, 20.5699, 21.0665



0.0000, 0.0000, 0.0000



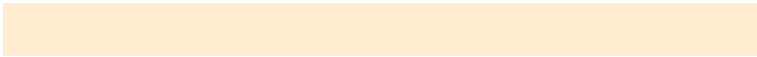
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8478, 70.6490, 62.8850



82.7871, 85.9205, 72.6075



70.7024, 77.7049, 64.0965



15.0782, 15.7703, 15.1537



23.5291, 19.6324, 2.5493



1.8297, 1.6327, 0.2187

Inverse Universe

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



60.7437, 64.2270, 84.7973



72.1145, 76.2732, 105.5291



58.1659, 57.9595, 83.7235



14.0677, 14.8567, 18.2705



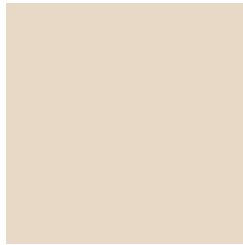
10.5001, 8.0623, 43.3859



0.8656, 0.7751, 3.2360

Previews

White Background



This preview shows how the XYZ color 67.8459, 70.6459, 62.8835 looks on a white background.

Color Contrast Check

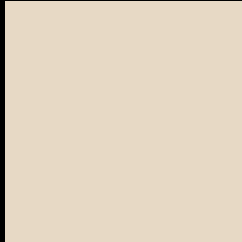
Large Text (above 18pt) WCAG AA × Fail

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 67.8459, 70.6459, 62.8835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

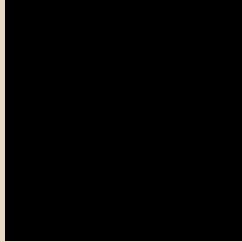
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8459, 70.6459, 62.8835

Background



This preview shows how black text looks on a background with the XYZ color 67.8459, 70.6459, 62.8835.

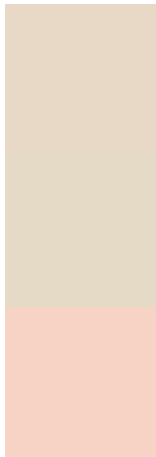


This preview shows how white text looks on a background with the XYZ color 67.8459, 70.6459,

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

67.8459, 70.6459, 62.8835

Protanopia

67.2594, 70.7140, 63.5303

Deuteranopia

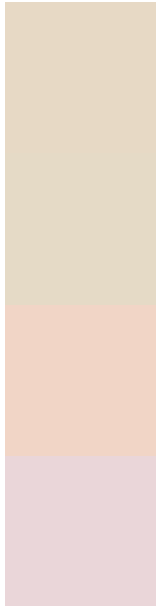
71.8451, 70.4399, 63.2357



Tritanopia

71.9473, 70.4063, 83.9265

Trichromacy



Original Color

67.8459, 70.6459, 62.8835

Protanomaly

67.5775, 70.8780, 63.5452

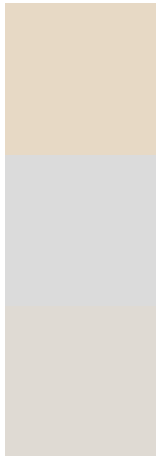
Deuteranomaly

70.2629, 70.3665, 63.3049

Tritanomaly

70.5026, 70.5953, 75.5560

Monochromacy



Original Color

67.8459, 70.6459, 62.8835

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.2607, 70.5339, 71.6974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8459, 70.6459, 62.8835 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(231, 217, 197) looks like.

```
.text, #text, p{  
    color:rgb(231, 217, 197)  
}
```

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(231, 217, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 217, 197) }
```

Border

The CSS property to change the border of an element to XYZ 67.8459, 70.6459, 62.8835 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(231, 217, 197) }
```


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

```
.border{ border-color:rgb(231, 217, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 217, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 217, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 217, 197);  
box-shadow:4px 4px 4px 4px rgb(231, 217,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8459, 70.6459, 62.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 217, 197) }
```

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

```
.background{ background-color: rgb(231,  
217, 197) }
```

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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