

Converting Colors

XYZ(64.5855, 67.8257, 49.9870)

Have a look what the booklet for
XYZ(64.5855, 67.8257, 49.9870)
contains.

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Color

**XYZ(64.3892, 67.6334,
49.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D5AE
RGB	231, 213, 174
RGB Percent	91%, 84%, 68%
CMY	0.0941, 0.1647, 0.3176
CMYK	0.00, 0.08, 0.25, 0.09
HSL	41°, 54%, 79%
HSV	41°, 25%, 91%
XYZ	64.3892, 67.6334, 49.7053
YIQ	213.9360, 23.2470, -8.3130

Conversions

Conversions Part 2

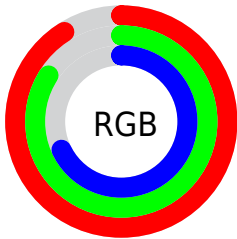
Format	Color
RYB	200, 231, 174
Decimal	15193518
CIELab	85.82, 0.24, 21.56
CIElCh	86, 21.561, 89.361
Yxy	67.6334, 0.3543, 0.3722
Android (android.graphics.Color)	4293383598 (0xFFE7D5AE)
YUV	213.9360, -19.6884, 14.9651
Hunter-Lab	82.2395, -4.1631, 21.7330

Details

The XYZ color **64.3892, 67.6334, 49.7053** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7287, 52.4661, 83.0548**, and the grayscale version is **63.9922, 67.3248, 73.3167**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **33.3572, 34.9482, 23.0767** is the 20% darker color. If you saturate the color by 10%, you get **60.5353, 63.2247, 38.2494**, and if you desaturate by 10%, it is **68.7164, 72.3681, 63.2312**.

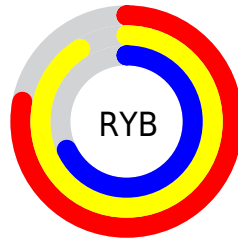
Distribution



Red (91%)

Green (84%)

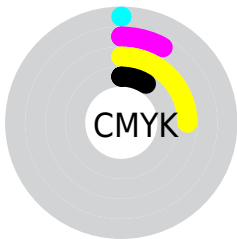
Blue (68%)



Red (78%)

Yellow (91%)

Blue (68%)

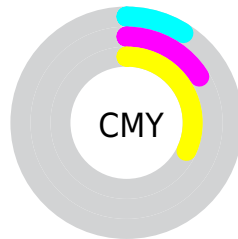


Cyan (0%)

Magenta (8%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3892, 67.6334, 49.7053 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 64.3892, 67.6334, 49.7053 by changing the saturation by 10% instead.

■ 64.3892, 67.6334,
49.7053

■ 64.3892, 67.6334,
49.7053

430.1737,
452.1960, 402.2144

■ 47.2288, 49.5995,
34.8098

■ 110.2419,
115.8275, 91.1299

■ 33.4253, 35.0953,
23.2340

139.6649,
146.7566, 118.4960

■ 22.6132, 23.7363,
14.5595

173.9061,
182.7529, 150.8561

■ 14.4273, 15.1381,
8.3676

213.3310,
224.2008, 188.6286

■ 8.5021, 8.9164,
4.2399

258.3049,
271.4846, 232.2322

■ 4.4724, 4.6867,
1.7579

309.1930,

■ 1.9727, 2.0646,

324.9888, 282.0853

0.3999

366.3609,
385.0979, 338.6065

■ 0.6186, 0.6446,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3892, 67.6334,
49.7053

■ 64.3892, 67.6334,
49.7053

■ 60.5353, 63.2247,
38.2494

■ 68.7164, 72.3681,
63.2312

■ 57.1286, 59.1229,
28.7546

■ 73.5312, 77.4291,
78.9202

■ 54.1482, 55.3201,
21.1083

■ 78.8535, 82.8285,
96.8648

■ 51.5692, 51.8046,
15.1847

■ 82.8098, 87.8185,
107.1939

■ 49.3635, 48.5633,
10.8422

■ 85.0261, 92.2509,
107.9326

■ 47.4989, 45.5816,
7.9162

■ 86.7651, 95.7290,
108.5123

■ 45.9360, 42.8417,
6.2058

■ 45.1944, 41.4676,
5.6221

Harmonies

Analogous

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



69.2337, 67.6334, 52.6759



64.3892, 67.6334, 49.7053



59.7492, 67.6334, 52.4343

Triad

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



64.3892, 67.6334, 49.7053



56.3748, 67.6334, 87.7623



72.7845, 67.6334, 88.3526

Complementary

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



64.3892, 67.6334, 49.7053



50.7287, 52.4661, 83.0548

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.



69.0416, 67.6334, 99.9108



64.3892, 67.6334, 49.7053



59.5751, 67.6334, 99.5405

Square

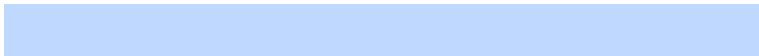
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3892, 67.6334, 49.7053



55.2677, 67.6334, 73.3392



64.1780, 67.6334, 104.2413



74.2301, 67.6334, 73.9442

Rectangle

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



64.3892, 67.6334, 49.7053



57.3589, 67.6334, 57.3455



64.1780, 67.6334, 104.2413



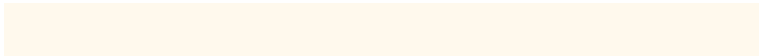
71.7441, 67.6334, 92.7641

Sweetspot

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



64.3910, 67.6365, 49.7067



90.5365, 95.3603, 93.8703



57.6116, 51.0698, 56.7200



19.2984, 20.3275, 19.8287



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.



64.3910, 67.6365, 49.7067



77.8598, 81.5617, 54.0225



65.8983, 75.5098, 51.1470



15.1978, 16.0094, 15.1936



25.4527, 23.4795, 3.1905



1.9633, 1.8999, 0.2632

Inverse Universe

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



50.7287, 52.4661, 83.0548



57.7987, 59.2915, 103.0058



49.4358, 46.2886, 81.9306



13.9523, 14.6260, 18.2321



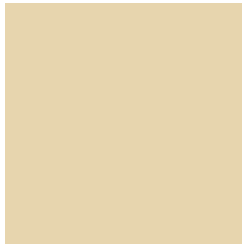
9.5175, 6.0971, 43.0584



0.7843, 0.6126, 3.2089

Previews

White Background



This preview shows how the XYZ color 64.3892, 67.6334, 49.7053 looks on a white background.

Color Contrast Check

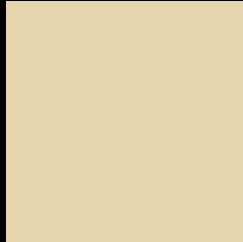
Large Text (above 18pt) WCAG AA × Fail

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 64.3892, 67.6334, 49.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

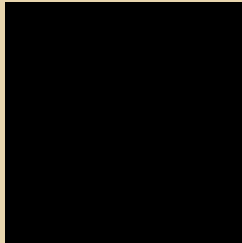
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3892, 67.6334, 49.7053

Background



This preview shows how black text looks on a background with the XYZ color 64.3892, 67.6334, 49.7053.



This preview shows how white text looks on a background with the XYZ color 64.3892, 67.6334,

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

64.3892, 67.6334, 49.7053

Protanopia

63.4630, 67.5192, 50.2451

Deuteranopia

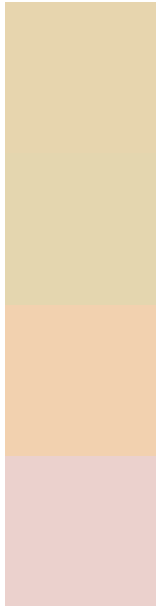
68.8761, 67.3775, 49.9324



Tritanopia

70.1812, 67.4211, 78.4219

Trichromacy



Original Color

64.3892, 67.6334, 49.7053

Protanomaly

63.7793, 67.6823, 50.2599

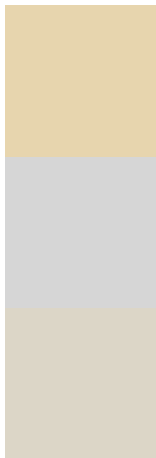
Deuteranomaly

67.1563, 67.5733, 50.0609

Tritanomaly

68.0809, 67.6709, 67.2311

Monochromacy



Original Color

64.3892, 67.6334, 49.7053

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8706, 67.4323, 63.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3892, 67.6334, 49.7053 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, 213, 174)` looks like.

```
.text, #text, p{  
    color:rgb(231, 213, 174)  
}
```

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, 213, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 213, 174) }
```

Border

The CSS property to change the border of an element to XYZ 64.3892, 67.6334, 49.7053 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, 213, 174) }
```


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

```
.border{ border-color:rgb(231, 213, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 213, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 213, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 213, 174);  
box-shadow:4px 4px 4px 4px rgb(231, 213,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3892, 67.6334, 49.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 213, 174) }
```

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

```
.background{ background-color: rgb(231,  
213, 174) }
```

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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