

Converting Colors

XYZ(64.3094, 68.3499, 51.4029)

Have a look what the booklet for
XYZ(64.3094, 68.3499, 51.4029)
contains.

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Color

**XYZ(64.2312, 68.2692,
51.3869)**

Conversions

Conversions Part 1

Format	Color
Hex	E4D7B1
RGB	228, 215, 177
RGB Percent	89%, 84%, 69%
CMY	0.1059, 0.1568, 0.3059
CMYK	0.00, 0.06, 0.22, 0.11
HSL	45°, 49%, 79%
HSV	45°, 22%, 89%
XYZ	64.2312, 68.2692, 51.3869
YIQ	214.5550, 19.9460, -9.0620

Conversions

Conversions Part 2

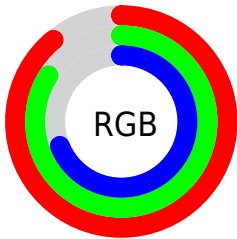
Format	Color
RYB	194, 228, 177
Decimal	14997425
CIELab	86.14, -1.49, 20.39
CIElCh	86, 20.445, 94.180
Yxy	68.2692, 0.3493, 0.3713
Android (android.graphics.Color)	4293187505 (0xFFE4D7B1)
YUV	214.5550, -18.5146, 11.7913
Hunter-Lab	82.6252, -5.8316, 20.9635

Details

The XYZ color **64.2312, 68.2692, 51.3869** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.5483, 51.7743, 80.7285**, and the grayscale version is **64.4037, 67.7577, 73.7881**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **33.2222, 35.3675, 24.1444** is the 20% darker color. If you saturate the color by 10%, you get **60.6933, 64.5311, 39.9169**, and if you desaturate by 10%, it is **68.2050, 72.2704, 64.8770**.

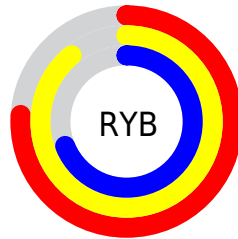
Distribution



Red (89%)

Green (84%)

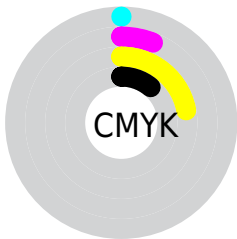
Blue (69%)



Red (76%)

Yellow (89%)

Blue (69%)

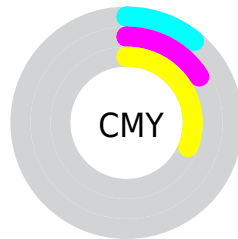


Cyan (0%)

Magenta (6%)

Yellow (22%)

Black (11%)



Cyan (11%)


Magenta (16%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2312, 68.2692, 51.3869 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 64.2312, 68.2692, 51.3869 by changing the saturation by 10% instead.


 64.2312, 68.2692,
51.3869

 64.2312, 68.2692,
51.3869


429.6131,
454.4492, 408.9545

 47.1003, 50.1168,
36.1377


 110.0157,
116.7372, 93.6438

 33.3233, 35.5062,
24.2501


139.4001,
147.8215, 121.4886

 22.5346, 24.0531,
15.3053

173.5996,
183.9853, 154.3690

 14.3691, 15.3730,
8.8849

212.9798,
225.6128, 192.7036

 8.4612, 9.0816,
4.5704

257.9058,
273.0886, 236.9109

 4.4457, 4.7944,
1.9432

308.7432,

 1.9573, 2.1272,

326.7970, 287.4095

0.5200

365.8571,
387.1224, 344.6178

■ 0.6098, 0.6798,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2312, 68.2692,
51.3869

■ 64.2312, 68.2692,
51.3869

■ 60.6933, 64.5311,
39.9169

■ 68.2050, 72.2704,
64.8770

■ 57.5664, 61.0383,
30.3632

■ 72.6274, 76.5336,
80.4756

■ 54.8315, 57.7846,
22.6194

■ 77.5171, 81.0695,
98.2707

■ 52.4654, 54.7599,
16.5667

■ 80.6908, 85.0055,
106.7626

■ 50.4423, 51.9529,
12.0722

■ 82.4120, 88.4479,
107.3363

■ 48.7327, 49.3509,
8.9827

■ 84.1883, 92.0005,
107.9284

■ 47.3009, 46.9388,
7.1140

■ 85.8051, 95.2341,
108.4673

■ 46.3519, 45.2076,
6.2829

Harmonies

Analogous

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



68.9054, 68.2692, 53.3791



64.2312, 68.2692, 51.3869



59.9406, 68.2692, 54.9066

Triad

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



64.2312, 68.2692, 51.3869



57.6928, 68.2692, 89.8475



73.3702, 68.2692, 86.1898

Complementary

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



64.2312, 68.2692, 51.3869



50.5483, 51.7743, 80.7285

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.



70.1000, 68.2692, 97.8748



64.2312, 68.2692, 51.3869



61.0295, 68.2692, 100.1591

Square

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



64.2312, 68.2692, 51.3869



56.2830, 68.2692, 76.2365



65.5489, 68.2692, 103.2598



74.3278, 68.2692, 72.4626

Rectangle

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



64.2312, 68.2692, 51.3869



57.8302, 68.2692, 60.1878



65.5489, 68.2692, 103.2598



72.4974, 68.2692, 90.5384

Sweetspot

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



64.2330, 68.2723, 51.3883



90.8741, 96.0355, 93.9828



57.0778, 51.6831, 56.0281



19.3767, 20.4841, 19.8548



0.0000, 0.0000, 0.0000



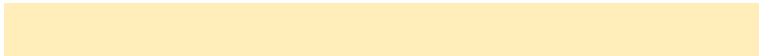
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2330, 68.2723, 51.3883



80.5354, 85.6446, 58.8244



64.0283, 73.2759, 52.3649



15.2744, 16.1627, 15.2191



26.8649, 26.3039, 3.6612



2.0585, 2.0903, 0.2950

Inverse Universe

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



50.5483, 51.7743, 80.7285



59.8563, 60.7181, 103.1727



50.6880, 47.8527, 79.9642



13.8798, 14.4810, 18.2079



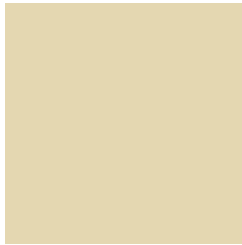
9.0431, 5.1483, 42.9003



0.7414, 0.5267, 3.1946

Previews

White Background



This preview shows how the XYZ color 64.2312, 68.2692, 51.3869 looks on a white background.

Color Contrast Check

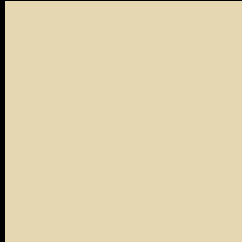
Large Text (above 18pt) WCAG AA × Fail

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 64.2312, 68.2692, 51.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

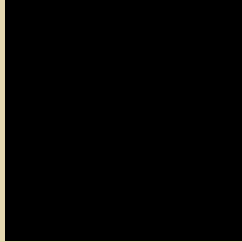
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

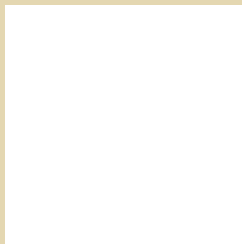
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2312, 68.2692, 51.3869

Background



This preview shows how black text looks on a background with the XYZ color 64.2312, 68.2692, 51.3869.

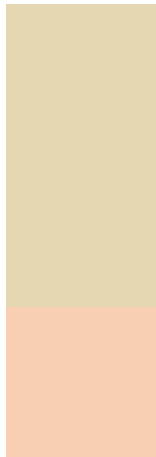


This preview shows how white text looks on a background with the XYZ color 64.2312, 68.2692,

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

64.2312, 68.2692, 51.3869

Protanopia

64.2312, 68.2692, 51.3869

Deuteranopia

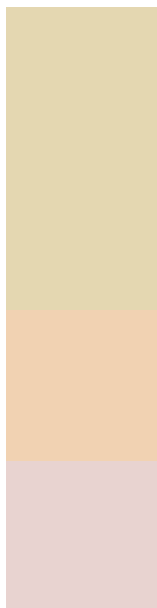
69.5164, 68.0201, 52.1131



Tritanopia

70.0782, 68.0404, 80.6738

Trichromacy



Original Color

64.2312, 68.2692, 51.3869

Protanomaly

64.2312, 68.2692, 51.3869

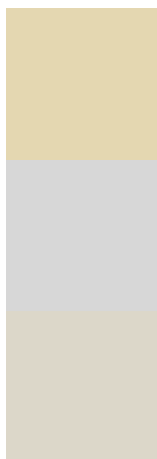
Deuteranomaly

67.3581, 68.0083, 51.6962

Tritanomaly

67.9581, 68.2984, 69.2756

Monochromacy



Original Color

64.2312, 68.2692, 51.3869

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3583, 68.0336, 64.9981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2312, 68.2692, 51.3869 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(228, 215, 177)` looks like.

```
.text, #text, p{  
    color:rgb(228, 215, 177)  
}
```

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(228, 215, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 215, 177) }
```

Border

The CSS property to change the border of an element to XYZ 64.2312, 68.2692, 51.3869 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(228, 215, 177) }
```


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

```
.border{ border-color:rgb(228, 215, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 215, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 215, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 215, 177);  
box-shadow:4px 4px 4px 4px rgb(228, 215,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2312, 68.2692, 51.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 215, 177) }
```

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

```
.background{ background-color: rgb(228,  
215, 177) }
```

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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