

Converting Colors

XYZ(64.2172, 68.2271, 52.9645)

Have a look what the booklet for
XYZ(64.2172, 68.2271, 52.9645)
contains.

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Color

**XYZ(64.2172, 68.2271,
52.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D7B4
RGB	227, 215, 180
RGB Percent	89%, 84%, 71%
CMY	0.1098, 0.1568, 0.2941
CMYK	0.00, 0.05, 0.21, 0.11
HSL	45°, 46%, 80%
HSV	45°, 21%, 89%
XYZ	64.2172, 68.2271, 52.9645
YIQ	214.5980, 18.3870, -8.3410

Conversions

Conversions Part 2

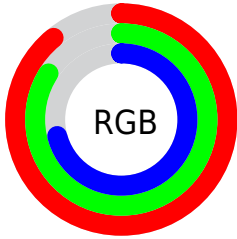
Format	Color
R _Y B	196, 227, 180
Decimal	14931892
CIE Lab	86.12, -1.43, 18.78
CIE LCh	86, 18.832, 94.359
Yxy	68.2271, 0.3464, 0.3680
Android (android.graphics.Color)	4293121972 (0xFFE3D7B4)
YUV	214.5980, -17.0568, 10.8766
Hunter-Lab	82.5997, -5.7745, 19.8019

Details

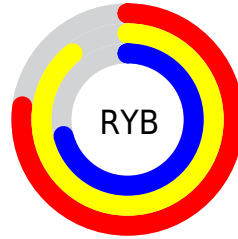
The XYZ color **64.2172, 68.2271, 52.9645** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.5368, 52.9472, 80.1769**, and the grayscale version is **64.4240, 67.7790, 73.8113**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **33.1962, 35.3318, 25.1488** is the 20% darker color. If you saturate the color by 10%, you get **60.6429, 64.4809, 41.2833**, and if you desaturate by 10%, it is **68.2261, 72.2354, 66.6607**.

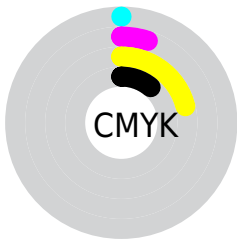
Distribution



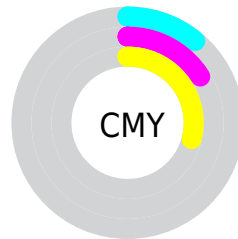
- Red (89%)
- Green (84%)
- Blue (71%)



- Red (77%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2172, 68.2271, 52.9645 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 64.2172, 68.2271, 52.9645 by changing the saturation by 10% instead.


 64.2172, 68.2271,
52.9645

 64.2172, 68.2271,
52.9645

429.5634,
454.3002, 415.2113

 47.0890, 50.0825,
37.3869


 109.9957,
116.6770, 95.9931

 33.3142, 35.4790,
25.2091

139.3766,
147.7510, 124.2813

 22.5277, 24.0321,
16.0124


173.5725,
183.9037, 157.6433

 14.3639, 15.3574,
9.3785

212.9486,
225.5194, 196.4978

 8.4576, 9.0706,
4.8887

257.8705,
272.9825, 241.2634

 4.4434, 4.7873,
2.1245

308.7033,

 1.9559, 2.1230,

326.6774, 292.3584

0.6303

365.8125,
386.9885, 350.2016

■ 0.6090, 0.6775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2172, 68.2271,
52.9645

■ 64.2172, 68.2271,
52.9645

■ 60.6429, 64.4809,
41.2833

■ 68.2261, 72.2354,
66.6607

■ 57.4789, 60.9792,
31.5156

■ 72.6819, 76.5046,
82.4580

■ 54.7065, 57.7159,
23.5575

■ 77.6031, 81.0453,
100.4429

■ 52.3032, 54.6814,
17.2935

■ 80.3554, 84.8044,
106.7414

■ 50.2441, 51.8646,
12.5948

■ 82.0711, 88.2357,
107.3133

■ 48.5005, 49.2532,
9.3139

■ 83.8416, 91.7767,
107.9035

■ 47.0386, 46.8327,
7.2748

■ 85.4887, 95.0710,
108.4525

■ 45.8792, 44.7319,
6.2160

Harmonies

Analogous

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



68.5165, 68.2271, 54.8037



64.2172, 68.2271, 52.9645



60.2629, 68.2271, 56.2964

Triad

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



64.2172, 68.2271, 52.9645



58.2168, 68.2271, 88.5693



72.6445, 68.2271, 85.0873

Complementary

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



64.2172, 68.2271, 52.9645



51.5368, 52.9472, 80.1769

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.



69.6596, 68.2271, 95.7539



64.2172, 68.2271, 52.9645



61.3125, 68.2271, 97.9160

Square

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



64.2172, 68.2271, 52.9645



56.8977, 68.2271, 76.1144



65.4825, 68.2271, 100.6805



73.5059, 68.2271, 72.4905

Rectangle

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



64.2172, 68.2271, 52.9645



58.3161, 68.2271, 61.2457



65.4825, 68.2271, 100.6805



71.8498, 68.2271, 89.0611

Sweetspot

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



64.2190, 68.2302, 52.9659



91.4506, 96.5873, 96.0279



57.5741, 52.8037, 57.3380



19.4931, 20.5958, 20.2672



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.



64.2190, 68.2302, 52.9659



81.4591, 86.6078, 61.8582



64.0366, 72.8379, 53.8649



15.2739, 16.1617, 15.2189



26.8550, 26.2841, 3.6579



2.0578, 2.0890, 0.2948

Inverse Universe

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



51.5368, 52.9472, 80.1769



62.0378, 63.2067, 103.5381



51.6646, 49.2615, 79.4588



13.8803, 14.4820, 18.2081



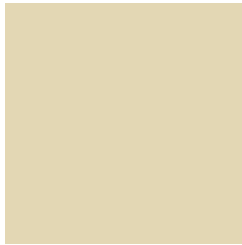
9.0459, 5.1539, 42.9012



0.7417, 0.5273, 3.1947

Previews

White Background



This preview shows how the XYZ color 64.2172, 68.2271, 52.9645 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 64.2172, 68.2271, 52.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

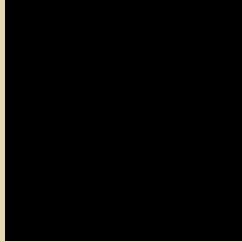
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2172, 68.2271, 52.9645

Background



This preview shows how black text looks on a background with the XYZ color 64.2172, 68.2271, 52.9645.

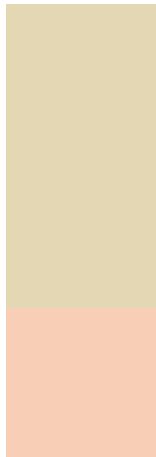


This preview shows how white text looks on a background with the XYZ color 64.2172, 68.2271,

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

64.2172, 68.2271, 52.9645

Protanopia

64.2172, 68.2271, 52.9645

Deuteranopia

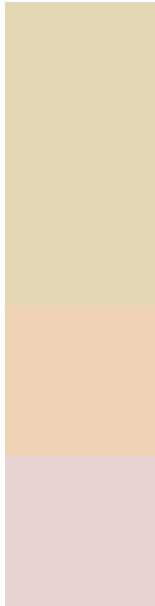
69.4677, 67.9595, 53.7121



Tritanopia

69.9953, 68.3608, 80.7400

Trichromacy



Original Color

64.2172, 68.2271, 52.9645

Protanomaly

64.2172, 68.2271, 52.9645

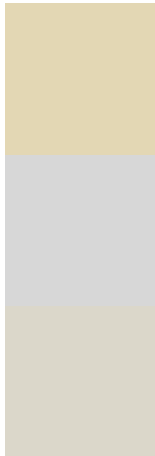
Deuteranomaly

67.3223, 67.9546, 53.2844

Tritanomaly

67.7579, 68.1809, 69.9106

Monochromacy



Original Color

64.2172, 68.2271, 52.9645

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.1745, 67.9252, 65.6056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2172, 68.2271, 52.9645 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(227, 215, 180)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 180)  
}
```

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(227, 215, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 180) }
```

Border

The CSS property to change the border of an element to XYZ 64.2172, 68.2271, 52.9645 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(227, 215, 180) }
```


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

```
.border{ border-color:rgb(227, 215, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 215, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 180);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2172, 68.2271, 52.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 180) }
```

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

```
.background{ background-color: rgb(227,  
215, 180) }
```

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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