

# Converting Colors

XYZ(64.8735, 68.0673, 57.3161)

Have a look what the booklet for  
XYZ(64.8735, 68.0673, 57.3161)  
contains.

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# Color

**XYZ(64.8022, 68.0549,  
57.2974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D6BC
RGB	227, 214, 188
RGB Percent	89%, 84%, 74%
CMY	0.1098, 0.1608, 0.2627
CMYK	0.00, 0.06, 0.17, 0.11
HSL	40°, 41%, 81%
HSV	40°, 17%, 89%
XYZ	64.8022, 68.0549, 57.2974
YIQ	214.9230, 16.0940, -5.3300

# Conversions

## Conversions Part 2

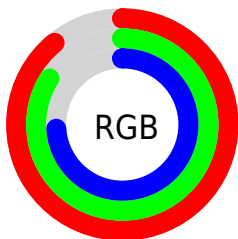
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 227, 188
Decimal	14931644
CIE Lab	86.03, 0.27, 14.45
CIE LCh	86, 14.454, 88.940
Yxy	68.0549, 0.3408, 0.3579
Android (android.graphics.Color)	4293121724 (0xFFE3D6BC)
YUV	214.9230, -13.2730, 10.5915
Hunter-Lab	82.4954, -4.1507, 16.5667

# Details

The XYZ color **64.8022, 68.0549, 57.2974** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.4905, 58.0093, 80.9457**, and the grayscale version is **64.6201, 67.9854, 74.0361**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **33.5659, 35.2035, 27.9475** is the 20% darker color. If you saturate the color by 10%, you get **60.6756, 63.4143, 44.7836**, and if you desaturate by 10%, it is **69.4063, 73.0334, 71.8709**.

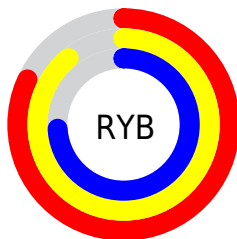
# Distribution



Red (89%)

Green (84%)

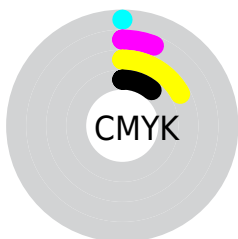
Blue (74%)



Red (82%)

Yellow (89%)

Blue (74%)

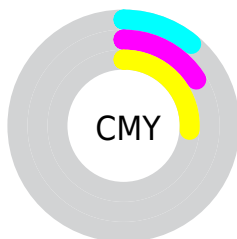


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (11%)



Cyan (11%)

Magenta (16%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8022, 68.0549, 57.2974 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 64.8022, 68.0549, 57.2974 by changing the saturation by 10% instead.





 64.8022, 68.0549,  
57.2974

 64.8022, 68.0549,  
57.2974


431.6373,  
453.6905, 432.0877

 47.5648, 49.9424,  
40.8331


 110.8327,  
116.4307, 102.4036

 33.6922, 35.3676,  
27.8700


140.3566,  
147.4627, 131.8827

 22.8190, 23.9462,  
17.9895


174.7066,  
183.5701, 166.5370

 14.5799, 15.2937,  
10.7731

214.2482,  
225.1372, 206.7853

 8.6095, 9.0258,  
5.8022

259.3467,  
272.5484, 253.0459

 4.5424, 4.7580,  
2.6584

310.3675,

 2.0133, 2.1060,

326.1881, 305.7375

0.9224

367.6759,  
386.4406, 365.2786

■ 0.6414, 0.6680,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.8022, 68.0549,  
57.2974

■ 64.8022, 68.0549,  
57.2974

■ 60.6756, 63.4143,  
44.7836

■ 69.4063, 73.0334,  
71.8709

■ 57.0019, 59.0928,  
34.2304

■ 74.5004, 78.3497,  
88.5885

■ 53.7623, 55.0834,  
25.5366

■ 79.9254, 83.9443,  
106.5981

■ 50.9344, 51.3751,  
18.5904

■ 82.1581, 88.4097,  
107.3423

■ 48.4936, 47.9560,  
13.2680

■ 84.4842, 93.0620,  
108.1177

■ 46.4119, 44.8128,  
9.4290

■ 85.4887, 95.0710,  
108.4525

■ 44.6569, 41.9304,  
6.9087

■ 43.1862, 39.2897,  
5.4913

■ 42.8036, 38.5808,  
5.1908

# Harmonies

## Analogous

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



68.0307, 68.0549, 59.5293



64.8022, 68.0549, 57.2974



61.6469, 68.0549, 59.2377

# Triad

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



64.8022, 68.0549, 57.2974



59.2619, 68.0549, 83.2946



70.3027, 68.0549, 83.9290

# Complementary

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



64.8022, 68.0549, 57.2974



55.4905, 58.0093, 80.9457

# 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.



67.8196, 68.0549, 91.2614



64.8022, 68.0549, 57.2974



61.4492, 68.0549, 90.8737

# Square

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



64.8022, 68.0549, 57.2974



58.5148, 68.0549, 73.7628



64.5662, 68.0549, 93.9035



71.2725, 68.0549, 74.4386



# Rectangle

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



64.8022, 68.0549, 57.2974



59.9934, 68.0549, 62.7387



64.5662, 68.0549, 93.9035



69.6132, 68.0549, 86.7568

# Sweetspot

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



64.8040, 68.0579, 57.2988



91.7242, 96.5251, 97.9982



60.2051, 56.5152, 62.9945



19.5355, 20.5578, 20.6600



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

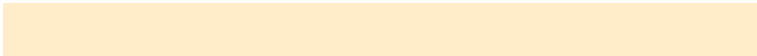


# Same Dimension

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



64.8040, 68.0579, 57.2988



82.1652, 86.1574, 67.8358



66.2135, 73.8633, 58.3451



15.1758, 15.9655, 15.1863



25.0745, 22.7231, 3.0644



1.9374, 1.8482, 0.2546



# Inverse Universe

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



55.4905, 58.0093, 80.9457



67.6667, 70.5162, 104.6523



54.2258, 53.0490, 80.0549



13.9732, 14.6679, 18.2390



9.6748, 6.4118, 43.1108

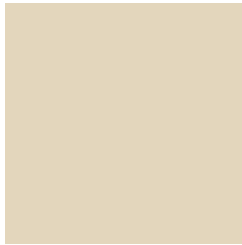


0.7979, 0.6397, 3.2134



# Previews

## White Background



This preview shows how the XYZ color 64.8022, 68.0549, 57.2974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

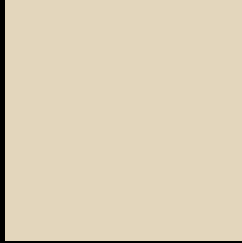
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8022, 68.0549, 57.2974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

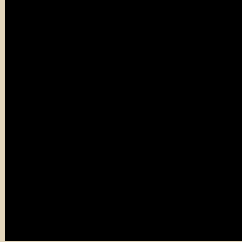
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.8022, 68.0549, 57.2974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8022, 68.0549, 57.2974.



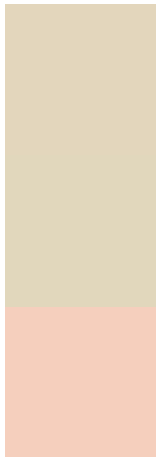
This preview shows how white text looks on a background with the XYZ color 64.8022, 68.0549,

57.2974.

# 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

64.8022, 68.0549, 57.2974

### Protanopia

64.4289, 68.2393, 57.3527

### Deuteranopia

69.1543, 67.7122, 57.5691



## Tritanopia

69.6698, 68.1930, 80.7247

# Trichromacy



## Original Color

64.8022, 68.0549, 57.2974

## Protanomaly

64.7416, 68.4005, 57.3673

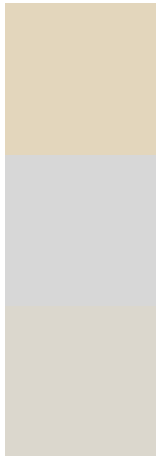
## Deuteranomaly

67.4918, 67.9445, 57.7015

## Tritanomaly

67.8111, 68.1650, 71.8705

# Monochromacy



## Original Color

64.8022, 68.0549, 57.2974

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.5333, 68.0687, 67.4949

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8022, 68.0549, 57.2974 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, 214, 188)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 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(227, 214, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8022, 68.0549, 57.2974 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, 214, 188) }
```



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

```
.border{ border-color:rgb(227, 214, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 214, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 214, 188); box-shadow:4px 4px 4px 4px rgb(227, 214, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8022, 68.0549, 57.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 188) }
```

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

```
.background{ background-color: rgb(227,  
214, 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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