

# Converting Colors

XYZ(63.0940, 64.0658, 57.6958)

Have a look what the booklet for  
XYZ(63.0940, 64.0658, 57.6958)  
contains.

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# Color

**XYZ(63.3605, 64.3543,  
57.7974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CEBE
RGB	228, 206, 190
RGB Percent	89%, 81%, 75%
CMY	0.1059, 0.1921, 0.2549
CMYK	0.00, 0.10, 0.17, 0.11
HSL	25°, 41%, 82%
HSV	25°, 17%, 89%
XYZ	63.3605, 64.3543, 57.7974
YIQ	210.7540, 18.2480, -0.3120

# Conversions

## Conversions Part 2

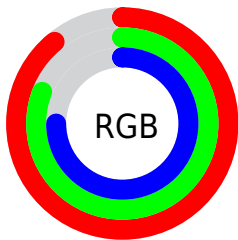
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 218, 190
Decimal	14995134
CIE Lab	84.15, 5.10, 10.74
CIE LCh	84, 11.885, 64.589
Yxy	64.3543, 0.3415, 0.3469
Android (android.graphics.Color)	4293185214 (0xFFE4CEBE)
YUV	210.7540, -10.2317, 15.1247
Hunter-Lab	80.2211, 0.5964, 13.4378

# Details

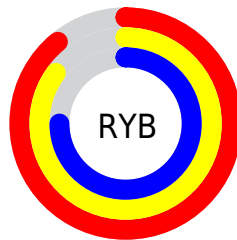
The XYZ color **63.3605, 64.3543, 57.7974** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7820, 63.6342, 82.5838**, and the grayscale version is **61.8129, 65.0320, 70.8199**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **32.7569, 33.0333, 28.3165** is the 20% darker color. If you saturate the color by 10%, you get **58.0164, 57.3467, 44.6682**, and if you desaturate by 10%, it is **69.3648, 72.0572, 73.0714**.

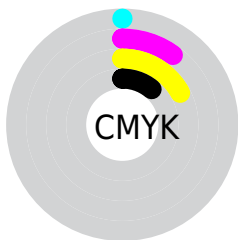
# Distribution



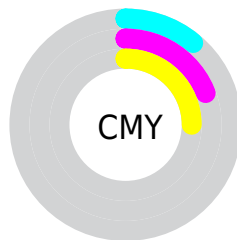
- Red (89%)
- Green (81%)
- Blue (75%)



- Red (89%)
- Yellow (85%)
- Blue (75%)



- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (11%)




- Cyan (11%)
- Magenta (19%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3605, 64.3543, 57.7974 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 63.3605, 64.3543, 57.7974 by changing the saturation by 10% instead.





 63.3605, 64.3543,  
57.7974

 63.3605, 64.3543,  
57.7974


426.5155,  
440.4680, 434.0077

 46.3927, 46.9377,  
41.2322


 108.7683,  
111.1210, 103.1396

 32.7617, 32.9864,  
28.1795

137.9390,  
141.2399, 132.7537

 22.1023, 22.1160,  
18.2208


171.9081,  
176.3617, 167.5545

 14.0491, 13.9422,  
10.9375

211.0408,  
216.8708, 207.9605

 8.2368, 8.0805,  
5.9112

255.7025,  
263.1516, 254.3903

 4.2999, 4.1465,  
2.7232

306.2586,

 1.8732, 1.7558,

315.5885, 307.2624

0.9551

363.0745,  
374.5658, 366.9954

■ 0.5612, 0.4594,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.3605, 64.3543,  
57.7974

■ 63.3605, 64.3543,  
57.7974

■ 58.0164, 57.3467,  
44.6682

■ 69.3648, 72.0572,  
73.0714

■ 53.3027, 51.0055,  
33.5824

■ 76.0472, 80.4661,  
90.5773

■ 49.1948, 45.3123,  
24.4364

■ 82.8788, 89.3813,  
107.4919

■ 45.6644, 40.2443,  
17.1158

■ 85.8052, 95.2341,  
108.4673

■ 42.6804, 35.7774,  
11.4939

■ 40.2086, 31.8855,  
7.4278

■ 38.2096, 28.5397,  
4.7502

■ 36.6349, 25.7070,  
3.2493

■ 36.1804, 24.8646,  
2.8924

# Harmonies

## Analogous

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



65.4210, 64.3543, 62.1738



63.3605, 64.3543, 57.7974



60.7635, 64.3543, 56.6151

# Triad

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



63.3605, 64.3543, 57.7974



56.2678, 64.3543, 71.2348



64.0799, 64.3543, 82.6702

# Complementary

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



63.3605, 64.3543, 57.7974



58.7820, 63.6342, 82.5838

# 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.



61.5719, 64.3543, 85.5057



63.3605, 64.3543, 57.7974



57.1012, 64.3543, 78.6098

# Square

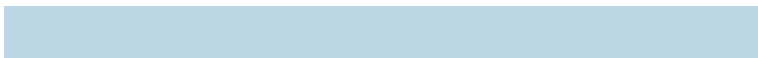
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3605, 64.3543, 57.7974



56.7160, 64.3543, 64.0436



59.0244, 64.3543, 83.9694



65.8446, 64.3543, 76.4649



# Rectangle

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



63.3605, 64.3543, 57.7974



59.0886, 64.3543, 57.7202



59.0244, 64.3543, 83.9694



63.2932, 64.3543, 84.0685

# Sweetspot

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



63.3622, 64.3572, 57.7988



90.7552, 94.5871, 97.6752



62.3138, 58.0837, 70.3254



19.3000, 20.0867, 20.5815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

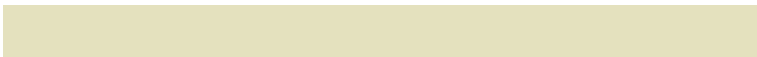
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3622, 64.3572, 57.7988



79.1941, 79.7297, 68.3421



68.1700, 73.9727, 59.4013



14.8734, 15.3606, 15.0854



21.0032, 14.5806, 1.7073



1.6423, 1.2579, 0.1562

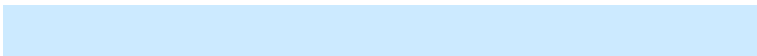


# Inverse Universe

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



58.7820, 63.6342, 82.5838



72.2383, 78.6304, 105.9776



54.3465, 54.7632, 81.1053



14.2723, 15.2659, 18.3387



12.9685, 12.9991, 44.2087

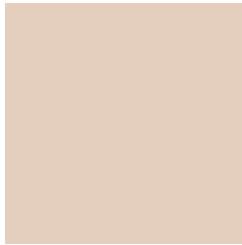


1.0498, 1.1435, 3.2974



# Previews

## White Background



This preview shows how the XYZ color 63.3605, 64.3543, 57.7974 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 63.3605, 64.3543, 57.7974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

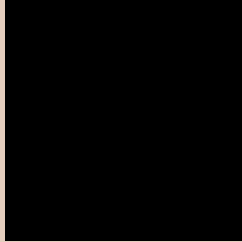
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.3605, 64.3543, 57.7974

## Background



This preview shows how black text looks on a background with the XYZ color 63.3605, 64.3543, 57.7974.



This preview shows how white text looks on a background with the XYZ color 63.3605, 64.3543,

57.7974.

# 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

63.3605, 64.3543, 57.7974

### Protanopia

61.2283, 64.3121, 59.0556

### Deuteranopia

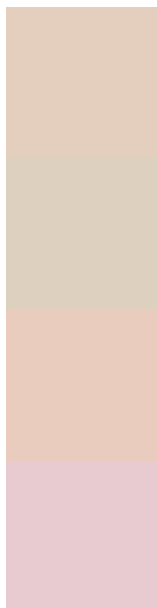
65.6850, 64.4780, 58.2737



## Tritanopia

67.0541, 64.4588, 75.2373

# Trichromacy



## Original Color

63.3605, 64.3543, 57.7974

## Protanomaly

62.0840, 64.4029, 58.4490

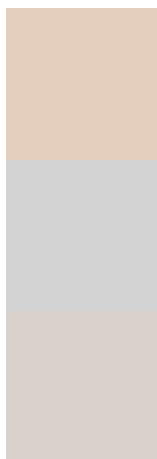
## Deuteranomaly

64.9285, 64.4397, 58.3062

## Tritanomaly

65.6961, 64.2549, 68.6144

# Monochromacy



## Original Color

63.3605, 64.3543, 57.7974

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

62.1952, 64.6644, 65.7034

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3605, 64.3543, 57.7974 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, 206, 190)` looks like.

```
.text, #text, p{  
    color:rgb(228, 206, 190)  
}
```

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, 206, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 206, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3605, 64.3543, 57.7974 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, 206, 190) }
```



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

```
.border{ border-color:rgb(228, 206, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 206, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 206, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 206, 190); box-shadow:4px 4px 4px 4px rgb(228, 206, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3605, 64.3543, 57.7974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 206, 190) }
```

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

```
.background{ background-color: rgb(228,  
206, 190) }
```

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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