

# Converting Colors

XYZ(64.6428, 67.7389, 58.9749)

Have a look what the booklet for  
XYZ(64.6428, 67.7389, 58.9749)  
contains.

<b>XYZ(64.5623, 67.5188, 58.9199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.5623, 67.5188,  
58.9199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D5BF
RGB	226, 213, 191
RGB Percent	89%, 84%, 75%
CMY	0.1137, 0.1647, 0.2510
CMYK	0.00, 0.06, 0.15, 0.11
HSL	38°, 38%, 82%
HSV	38°, 15%, 89%
XYZ	64.5623, 67.5188, 58.9199
YIQ	214.3790, 14.8100, -4.0860

# Conversions

## Conversions Part 2

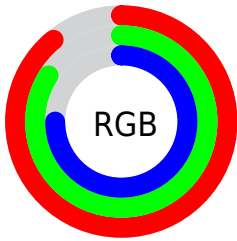
Format	Color
R <sub>Y</sub> B	212, 226, 191
Decimal	14865855
CIE Lab	85.77, 0.88, 12.48
CIE LCh	86, 12.510, 85.959
Yxy	67.5188, 0.3380, 0.3535
Android (android.graphics.Color)	4293055935 (0xFFE2D5BF)
YUV	214.3790, -11.5258, 10.1916
Hunter-Lab	82.1698, -3.5466, 15.0050

# Details

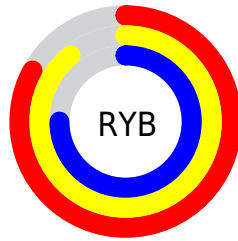
The XYZ color **64.5623, 67.5188, 58.9199** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8061, 59.7521, 80.4915**, and the grayscale version is **64.2416, 67.5872, 73.6024**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **33.3919, 34.8347, 29.0086** is the 20% darker color. If you saturate the color by 10%, you get **60.2088, 62.4891, 46.1305**, and if you desaturate by 10%, it is **69.4126, 72.9265, 73.7698**.

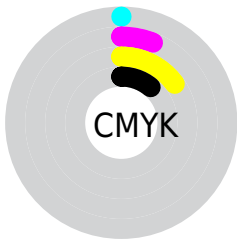
# Distribution



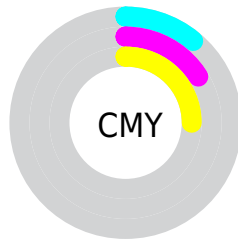
- Red (89%)
- Green (84%)
- Blue (75%)



- Red (83%)
- Yellow (89%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5623, 67.5188, 58.9199 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 64.5623, 67.5188, 58.9199 by changing the saturation by 10% instead.



■ 64.5623, 67.5188,  
58.9199

■ 64.5623, 67.5188,  
58.9199

430.7875,  
451.7892, 438.2986

■ 47.3696, 49.5064,  
42.1291

■ 110.4896,  
115.6635, 104.7892

■ 33.5371, 35.0213,  
28.8760

139.9549,  
146.5645, 134.7048

■ 22.6994, 23.6793,  
18.7423

174.2418,  
182.5305, 169.8323

■ 14.4912, 15.0959,  
11.3093

213.7156,  
223.9459, 210.5904

■ 8.5471, 8.8867,  
6.1585

258.7417,  
271.1951, 257.3975

■ 4.5017, 4.6674,  
2.8713

309.6855,

■ 1.9897, 2.0534,

324.6624, 310.6722

1.0293

366.9123,  
384.7323, 370.8331

0.6282, 0.6383,  
0.0000

0.0000, 0.0000,  
0.0000

64.5623, 67.5188,  
58.9199

64.5623, 67.5188,  
58.9199

60.2088, 62.4891,  
46.1305

69.4126, 72.9265,  
73.7698

56.3273, 57.8182,  
35.3045

74.7721, 78.7129,  
90.7630

52.8991, 53.4980,  
26.3431

80.0414, 84.6431,  
106.7269

49.9020, 49.5171,  
19.1374

82.5444, 89.6490,  
107.5612

■ 47.3113, 45.8626,  
13.5667

■ 85.1628, 94.8858,  
108.4340

■ 45.0997, 42.5208,  
9.4954

■ 85.1744, 94.9089,  
108.4378

■ 43.2353, 39.4760,  
6.7652

■ 41.6794, 36.7096,  
5.1818

■ 41.0499, 35.5400,  
4.6963

# Harmonies

## Analogous

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



67.2975, 67.5188, 61.2410



64.5623, 67.5188, 58.9199



61.8011, 67.5188, 60.2652

# Triad

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



64.5623, 67.5188, 58.9199



59.3634, 67.5188, 80.6167



68.8327, 67.5188, 82.6750

# Complementary

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



64.5623, 67.5188, 58.9199



56.8061, 59.7521, 80.4915

# 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.



66.6081, 67.5188, 88.5805



64.5623, 67.5188, 58.9199



61.1498, 67.5188, 87.3317

# Square

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



64.5623, 67.5188, 58.9199



58.8519, 67.5188, 72.4139



63.7884, 67.5188, 90.3443



69.8089, 67.5188, 74.6302

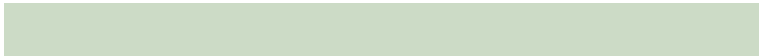


# Rectangle

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



64.5623, 67.5188, 58.9199



60.3080, 67.5188, 63.1179



63.7884, 67.5188, 90.3443



68.2030, 67.5188, 84.9987

# Sweetspot

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



64.5641, 67.5218, 58.9213



91.5729, 96.2224, 97.9478



60.9448, 57.8110, 65.3365



19.4987, 20.4841, 20.6477



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

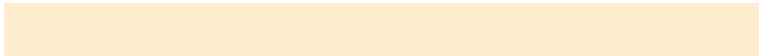


# Same Dimension

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



64.5641, 67.5218, 58.9213



82.7346, 86.3172, 71.0437



66.6998, 73.6715, 59.9958



14.4217, 15.1293, 14.4669



23.5360, 20.5099, 2.7183



1.7163, 1.5914, 0.2167



# Inverse Universe

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



56.8061, 59.7521, 80.4915



70.4576, 74.0227, 105.1820



54.8864, 54.3668, 79.5533



13.3668, 14.0728, 17.3995



9.7409, 6.9515, 41.8767

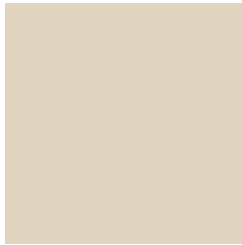


0.7590, 0.6494, 2.9306



# Previews

## White Background



This preview shows how the XYZ color 64.5623, 67.5188, 58.9199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

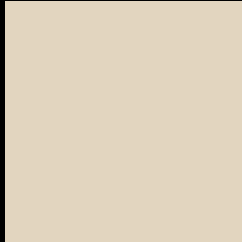
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5623, 67.5188, 58.9199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

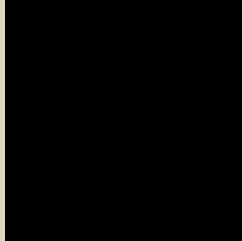
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

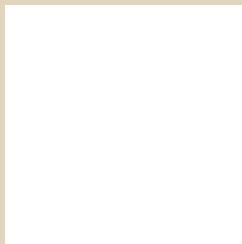
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.5623, 67.5188, 58.9199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5623, 67.5188, 58.9199.



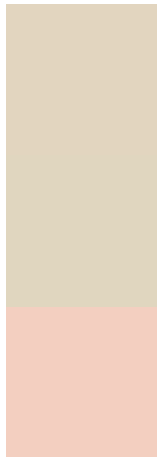
This preview shows how white text looks on a background with the XYZ color 64.5623, 67.5188,



# 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

64.5623, 67.5188, 58.9199

### Protanopia

64.1910, 67.7020, 58.9748

### Deuteranopia

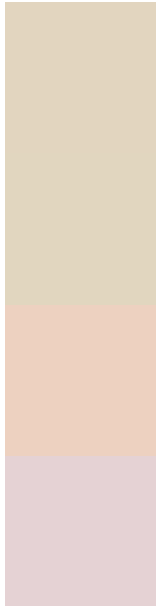
68.7894, 67.4861, 59.2697



## Tritanopia

68.6435, 67.3166, 79.8965

# Trichromacy



## Original Color

64.5623, 67.5188, 58.9199

## Protanomaly

64.5019, 67.8623, 58.9893

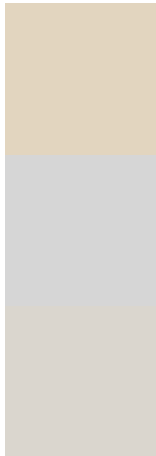
## Deuteranomaly

67.2399, 67.4112, 59.3369

## Tritanomaly

67.2434, 67.5047, 71.7730

# Monochromacy



## Original Color

64.5623, 67.5188, 58.9199

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.1006, 67.4548, 68.0341

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5623, 67.5188, 58.9199 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(226, 213, 191)` looks like.

```
.text, #text, p{  
    color:rgb(226, 213, 191)  
}
```

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(226, 213, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 213, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5623, 67.5188, 58.9199 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(226, 213, 191) }
```



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

```
.border{ border-color:rgb(226, 213, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 213, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 213, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 213, 191);  
box-shadow:4px 4px 4px 4px rgb(226, 213,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5623, 67.5188, 58.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 213, 191) }
```

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

```
.background{ background-color: rgb(226,  
213, 191) }
```

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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