

# Converting Colors

XYZ(63.6734, 63.3106, 68.6637)

Have a look what the booklet for  
XYZ(63.6734, 63.3106, 68.6637)  
contains.

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# Color

**XYZ(63.4816, 63.1132,  
68.5107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CB D0
RGB	224, 203, 208
RGB Percent	88%, 80%, 82%
CMY	0.1216, 0.2039, 0.1843
CMYK	0.00, 0.09, 0.07, 0.12
HSL	346°, 25%, 84%
HSV	346°, 9%, 88%
XYZ	63.4816, 63.1132, 68.5107
YIQ	209.8490, 10.9110, 6.0070

# Conversions

## Conversions Part 2

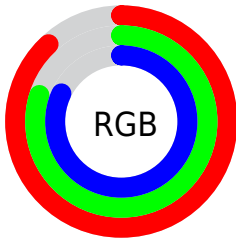
Format	Color
R <sub>Y</sub> B	224, 203, 208
Decimal	14732240
CIE Lab	83.50, 8.17, 0.17
CIE LCh	84, 8.173, 1.220
Yxy	63.1132, 0.3254, 0.3235
Android (android.graphics.Color)	4292922320 (0xFFE0CBD0)
YUV	209.8490, -0.9116, 12.4104
Hunter-Lab	79.4438, 3.6083, 4.4802

# Details

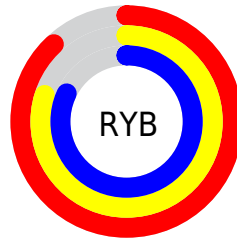
The XYZ color **63.4816, 63.1132, 68.5107** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0729, 71.1240, 77.3727**, and the grayscale version is **61.1618, 64.3469, 70.0738**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9424, 32.2630, 35.0630** is the 20% darker color. If you saturate the color by 10%, you get **56.5810, 52.4934, 56.4008**, and if you desaturate by 10%, it is **71.3761, 75.3575, 82.0687**.

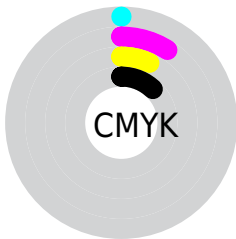
# Distribution



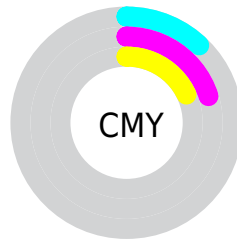
- Red (88%)
- Green (80%)
- Blue (82%)



- Red (88%)
- Yellow (80%)
- Blue (82%)



- Cyan (0%)
- Magenta (9%)
- Yellow (7%)
- Black (12%)



- Cyan (12%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4816, 63.1132, 68.5107 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 63.4816, 63.1132, 68.5107 by changing the saturation by 10% instead.



63.4816, 63.1132,  
68.5107

63.4816, 63.1132,  
68.5107

426.9471,  
435.9802, 473.9504

46.4910, 45.9328,  
49.8440

108.9419,  
109.3328, 118.7436

32.8397, 32.1928,  
34.9192

138.1424,  
139.1408, 151.1468

22.1624, 21.5088,  
23.3176

172.1436,  
173.9268, 188.9661

14.0935, 13.4964,  
14.6207

211.3108,  
214.0751, 232.6198

8.2679, 7.7713,  
8.4099

256.0094,  
259.9702, 282.5265

4.3201, 3.9489,  
4.2669

306.6048,

1.8848, 1.6450,

311.9965, 339.1049

1.7729

363.4622,  
370.5384, 402.7733

■ 0.5680, 0.3877,  
0.4100

■ 0.0000, 0.0000,  
0.0000

■ 63.4816, 63.1132,  
68.5107

■ 63.4816, 63.1132,  
68.5107

■ 56.5810, 52.4934,  
56.4008

■ 71.3761, 75.3575,  
82.0687

■ 50.6292, 43.4218,  
45.6865

■ 80.2967, 89.2820,  
97.1166

■ 45.5856, 35.8281,  
36.3180

■ 84.5509, 94.5875,  
108.4086

■ 41.4044, 29.6335,  
28.2411

■ 38.0358, 24.7518,  
21.3977

■ 35.4246, 21.0872,  
15.7251

■ 33.5086, 18.5306,  
11.1548

■ 32.2151, 16.9534,  
7.6103

■ 31.4308, 16.1478,  
4.9963

# Harmonies

## Analogous

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



63.0435, 63.1132, 73.5575



63.4816, 63.1132, 68.5107



62.9681, 63.1132, 63.7535

# Triad

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



63.4816, 63.1132, 68.5107



58.2272, 63.1132, 60.6578



58.3512, 63.1132, 77.6924

# Complementary

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



63.4816, 63.1132, 68.5107



64.0729, 71.1240, 77.3727

# 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.



57.1019, 63.1132, 73.9370



63.4816, 63.1132, 68.5107



57.0313, 63.1132, 64.0985

# Square

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



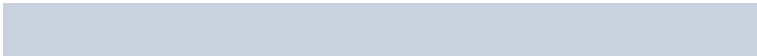
63.4816, 63.1132, 68.5107



59.9142, 63.1132, 59.3604



56.6235, 63.1132, 68.9288



60.0602, 63.1132, 79.0141



# Rectangle

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



63.4816, 63.1132, 68.5107



62.1609, 63.1132, 61.3439



56.6235, 63.1132, 68.9288



57.8648, 63.1132, 76.6639

# Sweetspot

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



63.4834, 63.1160, 68.5121



91.7334, 94.8460, 103.2342



63.9508, 63.1179, 79.3344



19.4495, 20.0135, 21.7788



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.



63.4834, 63.1160, 68.5121



83.4928, 82.0898, 89.0039



64.1389, 65.3954, 65.7452



13.8402, 13.7537, 14.9289



18.3088, 9.3905, 3.0257



1.3038, 0.6648, 0.3925



# Inverse Universe

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



63.4834, 63.1160, 68.5121



83.4928, 82.0898, 89.0039



63.3517, 68.6130, 80.4266



13.8402, 13.7537, 14.9289



18.3088, 9.3905, 3.0257



1.3038, 0.6648, 0.3925



# Previews

## White Background



This preview shows how the XYZ color 63.4816, 63.1132, 68.5107 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 63.4816, 63.1132, 68.5107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

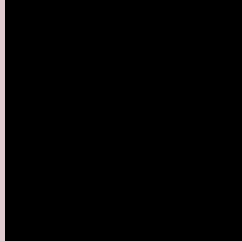
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.4816, 63.1132, 68.5107

## Background



This preview shows how black text looks on a background with the XYZ color 63.4816, 63.1132, 68.5107.



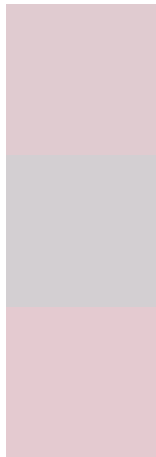
This preview shows how white text looks on a background with the XYZ color 63.4816, 63.1132,



# 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

63.4816, 63.1132, 68.5107

### Protanopia

60.8097, 63.1277, 69.9526

### Deuteranopia

64.5006, 63.2891, 68.4910



## Tritanopia

64.6963, 63.2584, 74.4459

# Trichromacy



## Original Color

63.4816, 63.1132, 68.5107

## Protanomaly

61.8988, 63.3450, 69.2860

## Deuteranomaly

64.1842, 63.1260, 68.4762

## Tritanomaly

64.3095, 63.1037, 72.4091

# Monochromacy



## Original Color

63.4816, 63.1132, 68.5107

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

61.8458, 63.6762, 69.3527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4816, 63.1132, 68.5107 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(224, 203, 208) looks like.

```
.text, #text, p{  
    color:rgb(224, 203, 208)  
}
```

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(224, 203, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 203, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4816, 63.1132, 68.5107 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(224, 203, 208) }
```



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

```
.border{ border-color:rgb(224, 203, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 203, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 203, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 203, 208);  
box-shadow:4px 4px 4px 4px rgb(224, 203,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4816, 63.1132, 68.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 203, 208) }
```

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

```
.background{ background-color: rgb(224,  
203, 208) }
```

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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