

# Converting Colors

XYZ(63.3329, 63.6012, 68.4272)

Have a look what the booklet for  
XYZ(63.3329, 63.6012, 68.4272)  
contains.

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# Color

**XYZ(63.3407, 63.7463,  
68.6404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DECDD0
RGB	222, 205, 208
RGB Percent	87%, 80%, 82%
CMY	0.1294, 0.1961, 0.1843
CMYK	0.00, 0.08, 0.06, 0.13
HSL	349°, 20%, 84%
HSV	349°, 8%, 87%
XYZ	63.3407, 63.7463, 68.6404
YIQ	210.4250, 9.1690, 4.5370

# Conversions

## Conversions Part 2

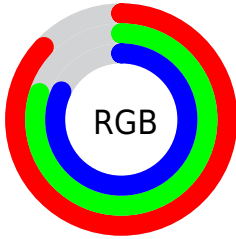
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 205, 208
Decimal	14601680
CIE Lab	83.83, 6.42, 0.64
CIE LCh	84, 6.450, 5.673
Yxy	63.7463, 0.3236, 0.3257
Android (android.graphics.Color)	4292791760 (0xFFDECDD0)
YUV	210.4250, -1.1955, 10.1513
Hunter-Lab	79.8413, 1.8877, 4.9167

# Details

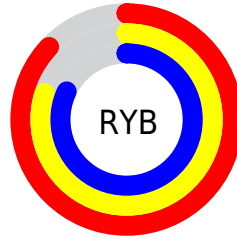
The XYZ color **63.3407, 63.7463, 68.6404** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0867, 70.3378, 77.2201**, and the grayscale version is **61.5428, 64.7478, 70.5103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8357, 32.6818, 35.1494** is the 20% darker color. If you saturate the color by 10%, you get **56.2810, 53.0217, 55.8200**, and if you desaturate by 10%, it is **71.4169, 76.0872, 83.0811**.

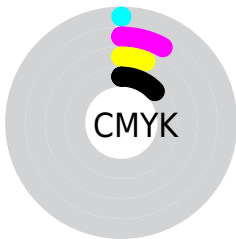
# Distribution



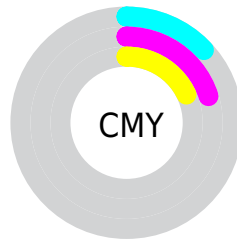
- Red (87%)
- Green (80%)
- Blue (82%)



- Red (87%)
- Yellow (80%)
- Blue (82%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3407, 63.7463, 68.6404 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 63.3407, 63.7463, 68.6404 by changing the saturation by 10% instead.



63.3407, 63.7463,  
68.6404

63.3407, 63.7463,  
68.6404

426.4449,  
438.2729, 474.4212

46.3766, 46.4452,  
49.9490

108.7399,  
110.2455, 118.9307

32.7490, 32.5973,  
35.0020

137.9058,  
140.2124, 151.3666

22.0925, 21.8181,  
23.3808

171.8695,  
175.1700, 189.2211

14.0419, 13.7233,  
14.6670

210.9966,  
215.5028, 232.9127

8.2317, 7.9285,  
8.4420

255.6523,  
261.5950, 282.8600

4.2966, 4.0492,  
4.2873

306.2020,

1.8713, 1.7011,

313.8312, 339.4815

1.7842

363.0111,  
372.5957, 403.1957

■ 0.5601, 0.4244,  
0.4175

■ 0.0000, 0.0000,  
0.0000

■ 63.3407, 63.7463,  
68.6404

■ 63.3407, 63.7463,  
68.6404

■ 56.2810, 53.0217,  
55.8200

■ 71.4169, 76.0872,  
83.0811

■ 50.1921, 43.8383,  
44.5589

■ 80.5422, 90.0987,  
99.1917

■ 45.0328, 36.1278,  
34.7985

■ 83.9346, 94.2698,  
108.3798

■ 40.7566, 29.8130,  
26.4748

■ 37.3133, 24.8103,  
19.5194

■ 34.6473, 21.0265,  
13.8578

■ 32.6962, 18.3564,  
9.4086

■ 31.3874, 16.6769,  
6.0805

■ 30.6249, 15.8203,  
3.7660

# Harmonies

## Analogous

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



63.1056, 63.7463, 72.6730



63.3407, 63.7463, 68.6404



62.8292, 63.7463, 64.9574

# Triad

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



63.3407, 63.7463, 68.6404



59.0140, 63.7463, 63.2613



59.4735, 63.7463, 76.7643

# Complementary

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



63.3407, 63.7463, 68.6404



64.0867, 70.3378, 77.2201

# 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.



58.4026, 63.7463, 74.0593



63.3407, 63.7463, 68.6404



58.1401, 63.7463, 66.2440

# Square

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



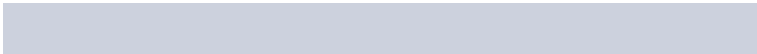
63.3407, 63.7463, 68.6404



60.3200, 63.7463, 61.9304



57.9181, 63.7463, 70.1831



60.8587, 63.7463, 77.4664



# Rectangle

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



63.3407, 63.7463, 68.6404



62.1383, 63.7463, 63.1625



57.9181, 63.7463, 70.1831



59.0655, 63.7463, 76.0541

# Sweetspot

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



63.3425, 63.7491, 68.6418



92.7755, 96.5214, 104.8415



64.1965, 63.9814, 78.0742



19.8816, 20.6960, 22.4830



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.



63.3425, 63.7491, 68.6418



85.2650, 85.0631, 91.3548



64.2870, 66.2225, 67.1549



13.8054, 13.7398, 14.7453



18.1408, 9.3233, 2.1410



1.2871, 0.6581, 0.3045



# Inverse Universe

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



63.3425, 63.7491, 68.6418



85.2650, 85.0631, 91.3548



63.0781, 67.6835, 78.8477



13.8054, 13.7398, 14.7453



18.1408, 9.3233, 2.1410



1.2871, 0.6581, 0.3045



# Previews

## White Background



This preview shows how the XYZ color 63.3407, 63.7463, 68.6404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

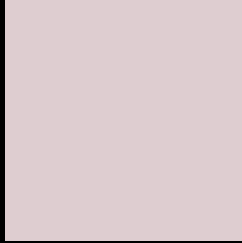
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3407, 63.7463, 68.6404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

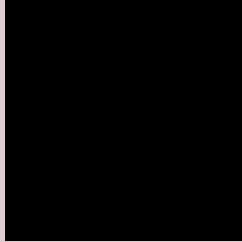
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.3407, 63.7463, 68.6404

## Background



This preview shows how black text looks on a background with the XYZ color 63.3407, 63.7463, 68.6404.



This preview shows how white text looks on a background with the XYZ color 63.3407, 63.7463,



# 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

63.3407, 63.7463, 68.6404

### Protanopia

61.3401, 63.7619, 70.0471

### Deuteranopia

64.9423, 63.5025, 69.1560



## Tritanopia

64.8826, 63.6736, 75.8884

# Trichromacy



## Original Color

63.3407, 63.7463, 68.6404

## Protanomaly

62.1403, 63.8280, 69.3665

## Deuteranomaly

64.2286, 63.4841, 69.1900

## Tritanomaly

64.2900, 63.7800, 73.2123

# Monochromacy



## Original Color

63.3407, 63.7463, 68.6404

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

61.7961, 64.0113, 69.4200

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3407, 63.7463, 68.6404 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(222, 205, 208)` looks like.

```
.text, #text, p{  
    color:rgb(222, 205, 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(222, 205, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 205, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3407, 63.7463, 68.6404 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(222, 205, 208) }
```



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

```
.border{ border-color:rgb(222, 205, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 205, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 205, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 205, 208);  
box-shadow:4px 4px 4px 4px rgb(222, 205,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3407, 63.7463, 68.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 205, 208) }
```

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

```
.background{ background-color: rgb(222,  
205, 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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