

# Converting Colors

XYZ(63.7685, 68.1873, 74.6246)

Have a look what the booklet for  
XYZ(63.7685, 68.1873, 74.6246)  
contains.

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# Color

**XYZ(63.7859, 68.2852,  
74.7842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2D9D8
RGB	210, 217, 216
RGB Percent	82%, 85%, 85%
CMY	0.1765, 0.1490, 0.1529
CMYK	0.03, 0.00, 0.00, 0.15
HSL	171°, 8%, 84%
HSV	171°, 3%, 85%
XYZ	63.7859, 68.2852, 74.7842
YIQ	214.7930, -3.8510, -1.7950

# Conversions

## Conversions Part 2

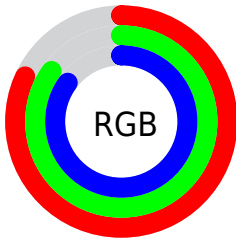
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 214, 217
Decimal	13818328
CIE Lab	86.15, -2.54, -0.34
CIE LCh	86, 2.564, 187.653
Yxy	68.2852, 0.3084, 0.3301
Android (android.graphics.Color)	4292008408 (0xFFD2D9D8)
YUV	214.7930, 0.5951, -4.2035
Hunter-Lab	82.6349, -6.8267, 4.1872

# Details

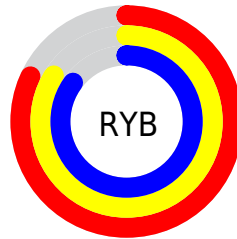
The XYZ color **63.7859, 68.2852, 74.7842** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4223, 65.5499, 70.9412**, and the grayscale version is **64.4509, 67.8074, 73.8422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0637, 35.4818, 38.8242** is the 20% darker color. If you saturate the color by 10%, you get **57.6240, 65.1566, 72.4183**, and if you desaturate by 10%, it is **70.7971, 71.8546, 77.2324**.

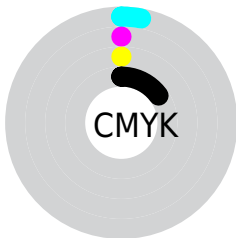
# Distribution



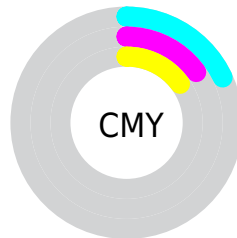
- Red (82%)
- Green (85%)
- Blue (85%)



- Red (82%)
- Yellow (84%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (18%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7859, 68.2852, 74.7842 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 63.7859, 68.2852, 74.7842 by changing the saturation by 10% instead.



■ 63.7859, 68.2852,  
74.7842

■ 63.7859, 68.2852,  
74.7842

428.0306,  
454.5058, 496.4111

■ 46.7383, 50.1298,  
54.9355

109.3780,  
116.7600, 127.7511

■ 33.0359, 35.5165,  
38.9518

138.6532,  
147.8483, 161.7064

■ 22.3133, 24.0610,  
26.4147

172.7351,  
184.0162, 201.2009

■ 14.2052, 15.3789,  
16.9056

211.9888,  
225.6483, 246.6532

■ 8.3462, 9.0857,  
10.0060

256.7799,  
273.1289, 298.4818

■ 4.3709, 4.7972,  
5.2972

307.4737,

■ 1.9140, 2.1287,

326.8425, 357.1053

2.3609

364.4354,  
387.1733, 422.9423

■ 0.5850, 0.6807,  
0.7651

■ 0.0000, 0.0000,  
0.0000

■ 63.7859, 68.2852,  
74.7842

■ 63.7859, 68.2852,  
74.7842

■ 57.6240, 65.1566,  
72.4183

■ 70.7971, 71.8546,  
77.2324

■ 52.2720, 62.4427,  
70.1284


■ 78.6833, 75.8723,  
79.7600


■ 47.6962, 60.1280,  
67.9141


■ 79.6898, 76.3425,  
82.0058

■ 43.8579, 58.1927,  
65.7735


■ 80.1188, 76.5141,  
84.2650


 40.7155, 56.6153,  
63.7042


 80.5556, 76.6889,  
86.5651


 38.2230, 55.3720,  
61.7039


 81.0002, 76.8667,  
88.9063


 36.3288, 54.4364,  
59.7701

 81.4526, 77.0477,  
91.2888

 34.9735, 53.7777,  
57.8996

 81.9130, 77.2318,  
93.7129

 34.0851, 53.3588,  
56.0889

 82.3813, 77.4191,  
96.1788

# Harmonies

## Analogous

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



63.8601, 68.2852, 73.1233



63.7859, 68.2852, 74.7842



64.0096, 68.2852, 76.3521

# Triad

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



63.7859, 68.2852, 74.7842



65.5981, 68.2852, 76.9513



65.3350, 68.2852, 71.3882

# Complementary

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



63.7859, 68.2852, 74.7842



63.4223, 65.5499, 70.9412

# 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.



65.8048, 68.2852, 72.3851



63.7859, 68.2852, 74.7842



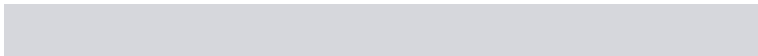
65.9573, 68.2852, 75.5923

# Square

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



63.7859, 68.2852, 74.7842



65.0541, 68.2852, 77.6155



66.0331, 68.2852, 73.9194



64.7522, 68.2852, 71.1793



# Rectangle

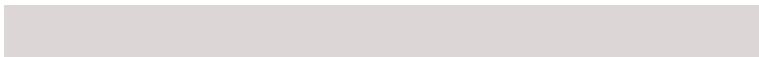
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7859, 68.2852, 74.7842



64.2983, 68.2852, 77.1278



66.0331, 68.2852, 73.9194



65.5115, 68.2852, 71.6416

# Sweetspot

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



63.7878, 68.2881, 74.7857



94.0593, 99.4961, 108.5468



63.3262, 68.1381, 70.7882



20.1430, 21.3016, 23.2372



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.



63.7878, 68.2881, 74.7857



91.1620, 98.0227, 107.4944



63.2909, 67.0859, 75.2621



14.0196, 15.1308, 16.6114



20.4096, 32.1965, 33.3860



1.3447, 2.0948, 2.2811

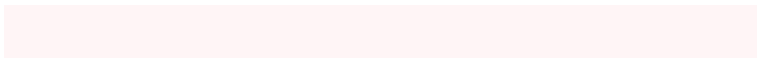


# Inverse Universe

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



63.4223, 65.5499, 70.9412



90.5067, 93.1138, 100.6020



63.9067, 66.7194, 70.4838



13.9015, 14.2459, 15.3690



17.4960, 8.9994, 1.7260

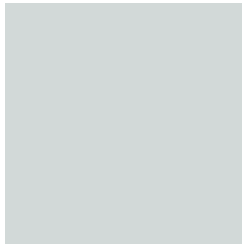


1.1582, 0.5929, 0.2423



# Previews

## White Background



This preview shows how the XYZ color 63.7859, 68.2852, 74.7842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

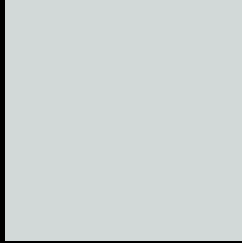
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7859, 68.2852, 74.7842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

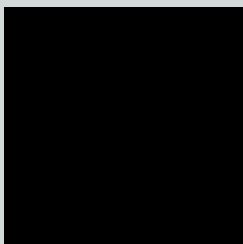
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

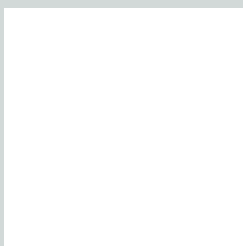
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.7859, 68.2852, 74.7842**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7859, 68.2852, 74.7842.



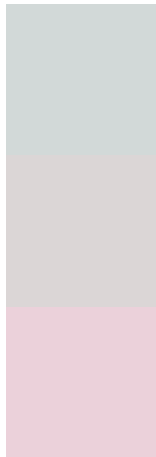
This preview shows how white text looks on a background with the XYZ color 63.7859, 68.2852,



# 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

63.7859, 68.2852, 74.7842

### Protanopia

65.3976, 68.0082, 73.2984

### Deuteranopia

69.7163, 68.3251, 75.8433



## Tritanopia

66.0173, 68.4241, 86.0716

# Trichromacy



## Original Color

63.7859, 68.2852, 74.7842

## Protanomaly

64.8851, 68.1061, 74.0160

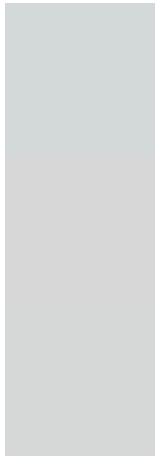
## Deuteranomaly

67.4319, 68.2655, 75.2682

## Tritanomaly

65.1473, 68.4516, 81.7304

# Monochromacy



## Original Color

63.7859, 68.2852, 74.7842

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.2622, 68.1642, 74.0600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7859, 68.2852, 74.7842 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(210, 217, 216) looks like.

```
.text, #text, p{  
    color:rgb(210, 217, 216)  
}
```

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(210, 217, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 217, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7859, 68.2852, 74.7842 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(210, 217, 216) }
```



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

```
.border{ border-color:rgb(210, 217, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 217, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 217, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 217, 216);  
box-shadow:4px 4px 4px 4px rgb(210, 217,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7859, 68.2852, 74.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 217, 216) }
```

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

```
.background{ background-color: rgb(210,  
217, 216) }
```

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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