

# Converting Colors

XYZ(64.8822, 70.0385, 73.7175)

Have a look what the booklet for  
XYZ(64.8822, 70.0385, 73.7175)  
contains.

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# Color

**XYZ(64.8822, 70.0385,  
73.7175)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4DCD6
RGB	212, 220, 214
RGB Percent	83%, 86%, 84%
CMY	0.1686, 0.1372, 0.1608
CMYK	0.04, 0.00, 0.03, 0.14
HSL	135°, 10%, 85%
HSV	135°, 4%, 86%
XYZ	64.8822, 70.0385, 73.7175
YIQ	216.9240, -2.8420, -3.5620

# Conversions

## Conversions Part 2

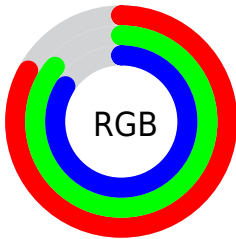
Format	Color
R <sub>Y</sub> B	212, 218, 220
Decimal	13950166
CIE Lab	87.02, -3.78, 2.00
CIE LCh	87, 4.278, 152.184
Yxy	70.0385, 0.3110, 0.3357
Android (android.graphics.Color)	4292140246 (0xFFD4DCD6)
YUV	216.9240, -1.4415, -4.3183
Hunter-Lab	83.6890, -8.0687, 6.3567

# Details

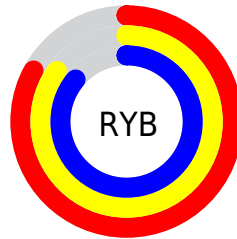
The XYZ color **64.8822, 70.0385, 73.7175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7162, 67.3664, 75.8725**, and the grayscale version is **65.9139, 69.3466, 75.5184**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6178, 36.5816, 38.0900** is the 20% darker color. If you saturate the color by 10%, you get **56.9654, 66.1905, 62.8974**, and if you desaturate by 10%, it is **73.8807, 74.4234, 85.7059**.

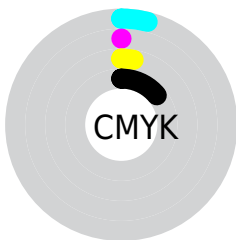
# Distribution



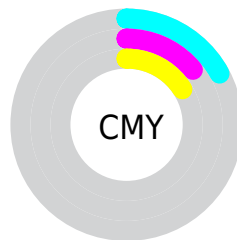
- Red (83%)
- Green (86%)
- Blue (84%)



- Red (83%)
- Yellow (85%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (17%)
- Magenta (14%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8822, 70.0385, 73.7175 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 64.8822, 70.0385, 73.7175 by changing the saturation by 10% instead.



■ 64.8822, 70.0385,  
73.7175

■ 64.8822, 70.0385,  
73.7175

431.9204,  
460.6852, 492.6351

■ 47.6299, 51.5579,  
54.0675

110.9471,  
119.2637, 126.2256

■ 33.7439, 36.6528,  
38.2621

140.4905,  
150.7770, 159.9208

■ 22.8589, 24.9388,  
25.8827

174.8616,  
187.4034, 199.1347

■ 14.6095, 16.0315,  
16.5110

214.4257,  
229.5273, 244.2860

■ 8.6303, 9.5464,  
9.7282

259.5484,  
277.5330, 295.7931

■ 4.5560, 5.0993,  
5.1159

310.5948,

■ 2.0212, 2.3056,

331.8050, 354.0746

2.2555

367.9304,  
392.7276, 419.5491

■ 0.6459, 0.7767,  
0.7061

■ 0.0000, 0.0000,  
0.0000

■ 64.8822, 70.0385,  
73.7175

■ 64.8822, 70.0385,  
73.7175

■ 56.9654, 66.1905,  
62.8974

■ 73.8807, 74.4234,  
85.7059

■ 50.0832, 62.8500,  
53.2059

■ 83.6241, 79.1649,  
98.8739

■ 44.1942, 59.9983,  
44.6080

■ 84.8846, 79.6691,  
105.5115

■ 39.2513, 57.6120,  
37.0650

■ 35.2039, 55.6658,  
30.5361

■ 31.9964, 54.1320,  
24.9778

■ 29.5669, 52.9796,  
20.3433

■ 27.8443, 52.1730,  
16.5819

■ 26.7437, 51.6697,  
13.6378

# Harmonies

## Analogous

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



65.5499, 70.0385, 71.6908



64.8822, 70.0385, 73.7175



64.6653, 70.0385, 76.4702

# Triad

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



64.8822, 70.0385, 73.7175



66.6429, 70.0385, 81.9000



68.2112, 70.0385, 73.3624

# Complementary

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



64.8822, 70.0385, 73.7175



65.7162, 67.3664, 75.8725

# 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.



68.5107, 70.0385, 76.0502



64.8822, 70.0385, 73.7175



67.5996, 70.0385, 81.0194

# Square

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



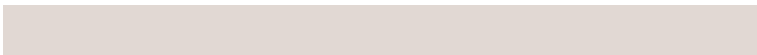
64.8822, 70.0385, 73.7175



65.6757, 70.0385, 81.2383



68.2858, 70.0385, 78.8603



67.4714, 70.0385, 71.4894



# Rectangle

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



64.8822, 70.0385, 73.7175



64.8037, 70.0385, 78.3597



68.2858, 70.0385, 78.8603



68.3671, 70.0385, 74.1982

# Sweetspot

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



64.8842, 70.0415, 73.7190



93.8116, 99.3970, 107.2425



66.4330, 70.8693, 72.4661



20.0926, 21.2814, 22.9718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

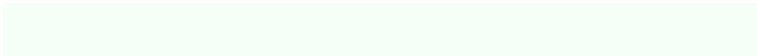


# Same Dimension

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



64.8842, 70.0415, 73.7190



90.1889, 97.6335, 102.3700



65.3844, 70.2416, 76.3529



13.8442, 15.0606, 15.6873



15.4626, 30.2177, 7.3353



1.0363, 1.9715, 0.6570



# Inverse Universe

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



65.7162, 67.3664, 75.8725



91.4742, 93.5008, 105.6968



65.2156, 67.1661, 73.2364



14.0758, 14.3157, 16.2869



21.3559, 10.5434, 22.0520

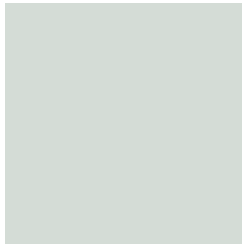


1.4172, 0.6965, 1.6058



# Previews

## White Background



This preview shows how the XYZ color 64.8822, 70.0385, 73.7175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

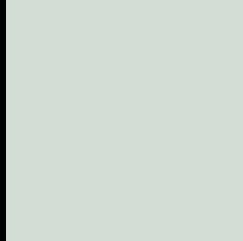
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8822, 70.0385, 73.7175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

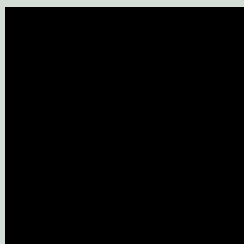
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

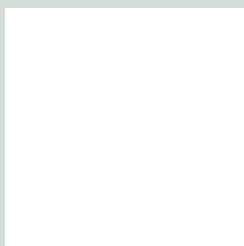
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.8822, 70.0385, 73.7175**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8822, 70.0385, 73.7175.



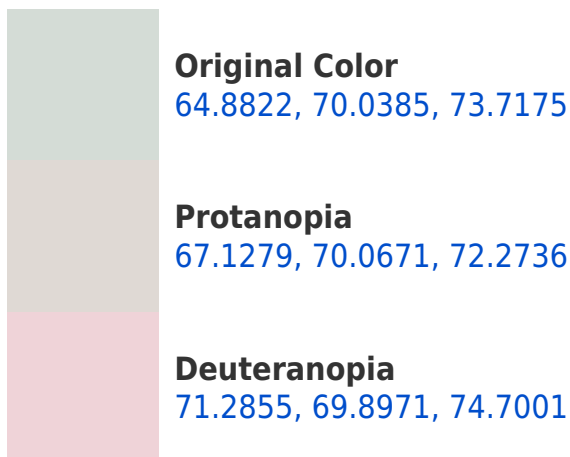
This preview shows how white text looks on a background with the XYZ color 64.8822, 70.0385,



# 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





## Tritanopia

67.6885, 70.0133, 87.7883

# Trichromacy



## Original Color

64.8822, 70.0385, 73.7175

## Protanomaly

66.2951, 70.0070, 72.9694

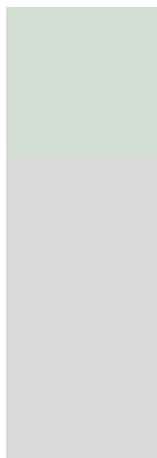
## Deuteranomaly

68.6254, 69.6574, 74.1183

## Tritanomaly

66.6681, 69.9850, 82.6677

# Monochromacy



## Original Color

64.8822, 70.0385, 73.7175

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.4904, 69.5477, 74.9381

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8822, 70.0385, 73.7175 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(212, 220, 214) looks like.

```
.text, #text, p{  
    color:rgb(212, 220, 214)  
}
```

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(212, 220, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 220, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8822, 70.0385, 73.7175 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(212, 220, 214) }
```



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

```
.border{ border-color:rgb(212, 220, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 220, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 220, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 220, 214);  
box-shadow:4px 4px 4px 4px rgb(212, 220,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8822, 70.0385, 73.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 220, 214) }
```

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

```
.background{ background-color: rgb(212,  
220, 214) }
```

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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