

# Converting Colors

XYZ(64.3809, 67.3096, 73.2912)

Have a look what the booklet for  
XYZ(64.3809, 67.3096, 73.2912)  
contains.

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# Color

**XYZ(64.5031, 67.5471,  
73.2565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8D6D6
RGB	216, 214, 214
RGB Percent	85%, 84%, 84%
CMY	0.1529, 0.1608, 0.1608
CMYK	0.00, 0.01, 0.01, 0.15
HSL	0°, 3%, 84%
HSV	0°, 1%, 85%
XYZ	64.5031, 67.5471, 73.2565
YIQ	214.5980, 1.1920, 0.4240

# Conversions

## Conversions Part 2

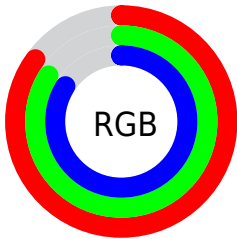
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 214, 214
Decimal	14210774
CIE Lab	85.78, 0.69, 0.23
CIE LCh	86, 0.724, 18.657
Yxy	67.5471, 0.3142, 0.3290
Android (android.graphics.Color)	4292400854 (0xFFD8D6D6)
YUV	214.5980, -0.2948, 1.2296
Hunter-Lab	82.1870, -3.7346, 4.6835

# Details

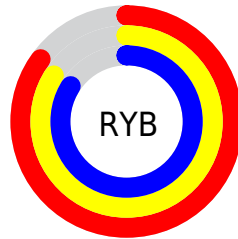
The XYZ color **64.5031, 67.5471, 73.2565** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6822, 68.3650, 74.7534**, and the grayscale version is **64.3226, 67.6723, 73.6952**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3541, 34.8765, 37.7748** is the 20% darker color. If you saturate the color by 10%, you get **56.8258, 56.3176, 57.9780**, and if you desaturate by 10%, it is **73.2724, 80.3732, 90.7054**.

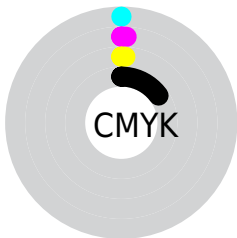
# Distribution



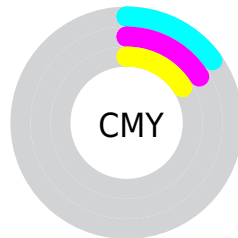
- Red (85%)
- Green (84%)
- Blue (84%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5031, 67.5471, 73.2565 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 64.5031, 67.5471, 73.2565 by changing the saturation by 10% instead.



■ 64.5031, 67.5471,  
73.2565

■ 64.5031, 67.5471,  
73.2565

430.5777,  
451.8897, 490.9979

■ 47.3215, 49.5294,  
53.6926

110.4049,  
115.7040, 125.5656

■ 33.4989, 35.0396,  
37.9645

139.8557,  
146.6120, 159.1478

■ 22.6700, 23.6934,  
25.6535

174.1270,  
182.5854, 198.2400

■ 14.4693, 15.1063,  
16.3412

213.5841,  
224.0089, 243.2606

■ 8.5317, 8.8940,  
9.6089

258.5924,  
271.2666, 294.6281

■ 4.4917, 4.6721,  
5.0382

309.5171,

■ 1.9839, 2.0562,

324.7431, 352.7612

2.2106

366.7238,  
384.8226, 418.0782

■ 0.6249, 0.6398,  
0.6805

■ 0.0000, 0.0000,  
0.0000

■ 64.5031, 67.5471,  
73.2565

■ 64.5031, 67.5471,  
73.2565

■ 56.8258, 56.3176,  
57.9780

■ 73.2724, 80.3732,  
90.7054

■ 50.1922, 46.6140,  
44.7808

■ 82.1294, 93.3392,  
108.2953

■ 44.5590, 38.3731,  
33.5762

■ 39.8778, 31.5239,  
24.2675

■ 36.0959, 25.9898,  
16.7499

■ 33.1558, 21.6865,  
10.9084

■ 30.9931, 18.5200,  
6.6146

■ 29.5342, 16.3829,  
3.7218

■ 28.6916, 15.1472,  
2.0548

# Harmonies

## Analogous

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



64.5136, 67.5471, 73.7265



64.5031, 67.5471, 73.2565



64.4117, 67.5471, 72.8660

# Triad

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



64.5031, 67.5471, 73.2565



63.9632, 67.5471, 72.9477



64.1390, 67.5471, 74.4434

# Complementary

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



64.5031, 67.5471, 73.2565



64.6822, 68.3650, 74.7534

# 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.



63.9918, 67.5471, 74.2328



64.5031, 67.5471, 73.2565



63.8904, 67.5471, 73.3684

# Square

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



64.5031, 67.5471, 73.2565



64.0999, 67.5471, 72.6882



63.9008, 67.5471, 73.8389



64.3032, 67.5471, 74.4131



# Rectangle

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



64.5031, 67.5471, 73.2565



64.3172, 67.5471, 72.7027



63.9008, 67.5471, 73.8389



64.0859, 67.5471, 74.3984

# Sweetspot

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



64.5050, 67.5500, 73.2580

95.0500, 100.0000, 108.9000



64.7612, 67.6510, 74.6115



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



64.5050, 67.5500, 73.2580



93.8355, 98.2236, 106.4832



64.7580, 68.0559, 73.3423



13.8357, 14.4877, 15.7108



16.7653, 8.6479, 0.7856



1.0119, 0.5229, 0.0476



# Inverse Universe

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



64.6822, 68.3650, 74.7534



94.1166, 99.5166, 108.8559



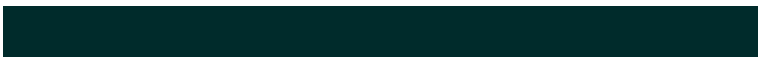
64.4277, 67.8559, 74.6686



13.8743, 14.6654, 16.0370



21.8117, 31.8852, 43.4580

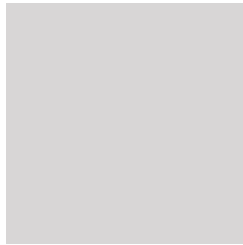


1.3162, 1.9245, 2.6214



# Previews

## White Background



This preview shows how the XYZ color 64.5031, 67.5471, 73.2565 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 64.5031, 67.5471, 73.2565 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

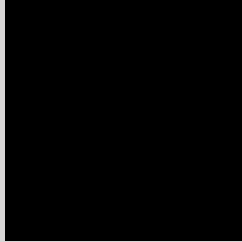
Any Text WCAG AAA ✓ Pass

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

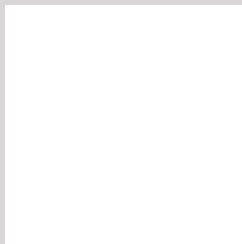


# XYZ 64.5031, 67.5471, 73.2565

## Background



This preview shows how black text looks on a background with the XYZ color 64.5031, 67.5471, 73.2565.



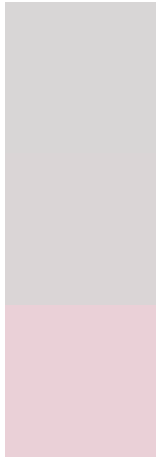
This preview shows how white text looks on a background with the XYZ color 64.5031, 67.5471,



# 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

64.5031, 67.5471, 73.2565

### Protanopia

64.8453, 67.3490, 73.2003

### Deuteranopia

68.7533, 67.5105, 73.6971



## Tritanopia

66.4605, 67.5938, 82.9429

# Trichromacy



## Original Color

64.5031, 67.5471, 73.2565

## Protanomaly

64.5471, 67.1953, 73.1863

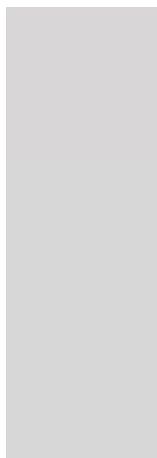
## Deuteranomaly

66.9909, 67.3304, 73.7552

## Tritanomaly

65.7288, 67.6679, 79.4090

# Monochromacy



## Original Color

64.5031, 67.5471, 73.2565

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.5905, 67.9542, 74.0022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5031, 67.5471, 73.2565 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(216, 214, 214) looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 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(216, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5031, 67.5471, 73.2565 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(216, 214, 214) }
```

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

```
.border{ border-color:rgb(216, 214, 214) }
```

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

Here you see how a box with a 4 pixel rgb(216, 214, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(216, 214,  
214) }
```



# Background

The CSS property to change the background color of an element to XYZ 64.5031, 67.5471, 73.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 214) }
```

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

```
.background{ background-color: rgb(216,  
214, 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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