

# Converting Colors

XYZ(64.0056, 66.7902, 71.0296)

Have a look what the booklet for  
XYZ(64.0056, 66.7902, 71.0296)  
contains.

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# Color

**XYZ(64.1674, 67.0434,  
71.1867)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D5D3
RGB	217, 213, 211
RGB Percent	85%, 84%, 83%
CMY	0.1490, 0.1647, 0.1725
CMYK	0.00, 0.02, 0.03, 0.15
HSL	20°, 7%, 84%
HSV	20°, 3%, 85%
XYZ	64.1674, 67.0434, 71.1867
YIQ	213.9680, 3.0260, 0.2260

# Conversions

## Conversions Part 2

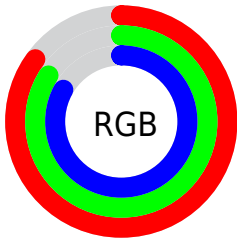
Format	Color
<a href="#">RYB</a>	<a href="#">217, 214, 211</a>
Decimal	<a href="#">14276051</a>
CIELab	<a href="#">85.53, 1.02, 1.46</a>
CIELCh	<a href="#">86, 1.779, 55.190</a>
Yxy	<a href="#">67.0434, 0.3170, 0.3312</a>
Android (android.graphics.Color)	<a href="#">4292466131</a> ( <a href="#">0xFFD9D5D3</a> )
YUV	<a href="#">213.9680, -1.4632, 2.6591</a>
Hunter-Lab	<a href="#">81.8800, -3.4039, 5.7692</a>

# Details

The XYZ color **64.1674, 67.0434, 71.1867** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6887, 67.4585, 75.3105**, and the grayscale version is **63.9047, 67.2328, 73.2165**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2130, 34.5694, 36.8203** is the 20% darker color. If you saturate the color by 10%, you get **58.1543, 59.0804, 56.6544**, and if you desaturate by 10%, it is **70.8755, 75.8071, 87.7642**.

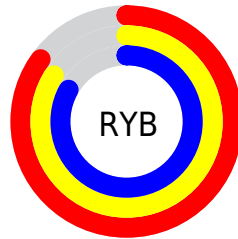
# Distribution



Red (85%)

Green (84%)

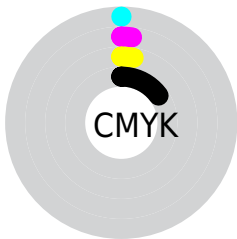
Blue (83%)



Red (85%)

Yellow (84%)

Blue (83%)

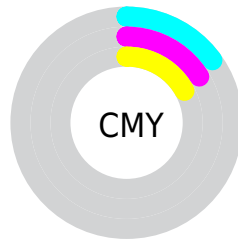


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (15%)



Cyan (15%)

Magenta (16%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1674, 67.0434, 71.1867 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 64.1674, 67.0434, 71.1867 by changing the saturation by 10% instead.



■ 64.1674, 67.0434,  
71.1867

■ 64.1674, 67.0434,  
71.1867

429.3865,  
450.0992, 483.6071

■ 47.0485, 49.1199,  
52.0118

109.9244,  
114.9826, 122.5965

■ 33.2821, 34.7146,  
36.6322

139.2931,  
145.7671, 155.6684

■ 22.5029, 23.4431,  
24.6293

173.4758,  
181.6073, 194.2098

■ 14.3455, 14.9210,  
15.5846

212.8379,  
222.8878, 238.6391

■ 8.4447, 8.7640,  
9.0795

257.7446,  
269.9928, 289.3750

■ 4.4350, 4.5876,  
4.6956

308.5614,

■ 1.9510, 2.0074,

323.3068, 346.8359

2.0142

365.6536,  
383.2141, 411.4404

■ 0.6062, 0.6117,  
0.5640

■ 0.0000, 0.0000,  
0.0000

■ 64.1674, 67.0434,  
71.1867

■ 64.1674, 67.0434,  
71.1867

■ 58.1543, 59.0804,  
56.6544

■ 70.8755, 75.8071,  
87.7642

■ 52.8077, 51.8867,  
44.0832

■ 78.2950, 85.3845,  
106.4579

■ 48.1049, 45.4415,  
33.3895

■ 82.4256, 93.4919,  
108.3092

■ 44.0202, 39.7197,  
24.4821

■ 40.5257, 34.6949,  
17.2619

■ 37.5913, 30.3388,  
11.6202

■ 35.1838, 26.6210,  
7.4353

■ 33.2661, 23.5085,  
4.5677

■ 31.7949, 20.9644,  
2.8493

# Harmonies

## Analogous

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



64.4286, 67.0434, 72.0557



64.1674, 67.0434, 71.1867



63.7879, 67.0434, 70.8034

# Triad

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



64.1674, 67.0434, 71.1867



62.9515, 67.0434, 72.8124



64.0541, 67.0434, 75.0314

# Complementary

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



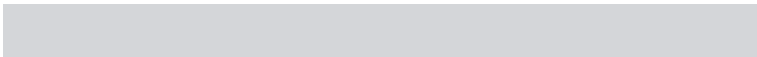
64.1674, 67.0434, 71.1867



63.6887, 67.4585, 75.3105

# 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.



63.6576, 67.0434, 75.2392



64.1674, 67.0434, 71.1867



63.0221, 67.0434, 73.9503

# Square

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



64.1674, 67.0434, 71.1867



63.0868, 67.0434, 71.7357



63.2801, 67.0434, 74.8415



64.3629, 67.0434, 74.2768



# Rectangle

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



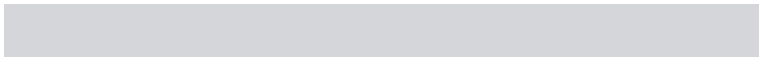
64.1674, 67.0434, 71.1867



63.5193, 67.0434, 70.8720



63.2801, 67.0434, 74.8415



63.9266, 67.0434, 75.1679

# Sweetspot

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



64.1693, 67.0463, 71.1882



94.1027, 98.7580, 106.5722



64.1762, 66.2476, 73.6955



20.1518, 21.1514, 22.8354



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

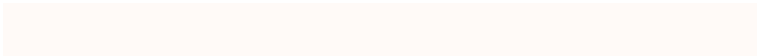


# Same Dimension

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



64.1693, 67.0463, 71.1882



92.2387, 96.3092, 102.0072



64.9299, 68.5675, 71.4417



14.1798, 14.7769, 15.5407



18.8308, 11.9472, 1.3135



1.2977, 0.9296, 0.1110



# Inverse Universe

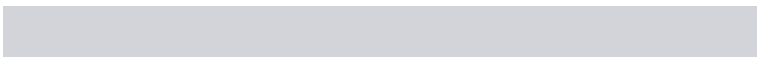
The Inverse Universe completely reimagines the original color for something new.



63.6887, 67.4585, 75.3105



91.4817, 96.9585, 108.5010



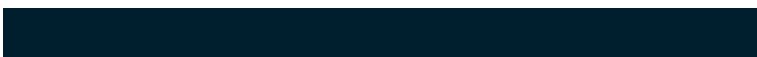
62.9328, 65.9466, 75.0585



14.0343, 14.9017, 16.7888



13.7681, 15.4056, 41.9863

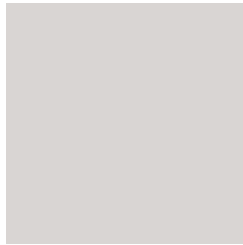


0.9700, 1.1541, 2.7461



# Previews

## White Background



This preview shows how the XYZ color 64.1674, 67.0434, 71.1867 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 64.1674, 67.0434, 71.1867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

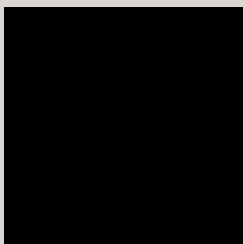
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

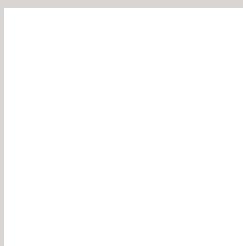
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.1674, 67.0434, 71.1867**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1674, 67.0434, 71.1867.



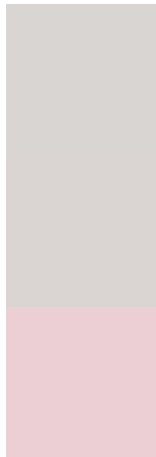
This preview shows how white text looks on a background with the XYZ color 64.1674, 67.0434,



# 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

64.1674, 67.0434, 71.1867

### Protanopia

64.4656, 67.1971, 71.2006

### Deuteranopia

68.4574, 67.0413, 71.6195



## Tritanopia

66.3728, 67.1947, 82.1447

# Trichromacy



## Original Color

64.1674, 67.0434, 71.1867

## Protanomaly

64.4656, 67.1971, 71.2006

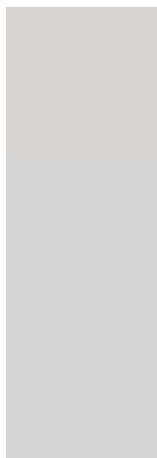
## Deuteranomaly

66.6790, 66.8484, 71.6760

## Tritanomaly

65.5081, 67.2129, 77.9273

# Monochromacy



## Original Color

64.1674, 67.0434, 71.1867

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.0811, 67.3443, 72.5721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1674, 67.0434, 71.1867 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(217, 213, 211) looks like.

```
.text, #text, p{  
    color:rgb(217, 213, 211)  
}
```

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(217, 213, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 213, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1674, 67.0434, 71.1867 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(217, 213, 211) }
```



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

```
.border{ border-color:rgb(217, 213, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 213, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 213, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 213, 211);  
box-shadow:4px 4px 4px 4px rgb(217, 213,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1674, 67.0434, 71.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 213, 211) }
```

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

```
.background{ background-color: rgb(217,  
213, 211) }
```

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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