

# Converting Colors

XYZ(64.3199, 71.1426, 74.8615)

Have a look what the booklet for  
XYZ(64.3199, 71.1426, 74.8615)  
contains.

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# Color

**XYZ(64.3750, 71.3394,  
74.6669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE0D7
RGB	206, 224, 215
RGB Percent	81%, 88%, 84%
CMY	0.1922, 0.1215, 0.1569
CMYK	0.08, 0.00, 0.04, 0.12
HSL	150°, 23%, 84%
HSV	150°, 8%, 88%
XYZ	64.3750, 71.3394, 74.6669
YIQ	217.5920, -7.8390, -6.6150

# Conversions

## Conversions Part 2

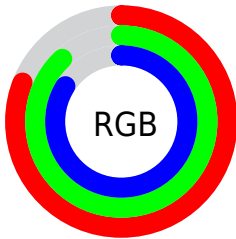
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 218, 224
Decimal	13557975
CIE Lab	87.65, -7.67, 2.34
CIE LCh	88, 8.015, 163.036
Yxy	71.3394, 0.3060, 0.3391
Android (android.graphics.Color)	4291748055 (0xFFCEE0D7)
YUV	217.5920, -1.2779, -10.1662
Hunter-Lab	84.4627, -11.7621, 6.7102

# Details

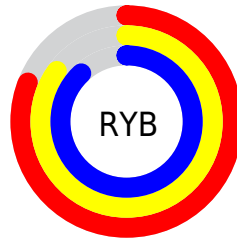
The XYZ color **64.3750, 71.3394, 74.6669** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0801, 64.8981, 73.3899**, and the grayscale version is **66.3737, 69.8303, 76.0452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4820, 37.5894, 38.7485** is the 20% darker color. If you saturate the color by 10%, you get **57.2037, 67.8052, 67.0732**, and if you desaturate by 10%, it is **72.5351, 75.3760, 82.8244**.

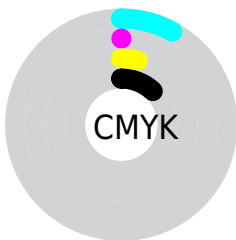
# Distribution



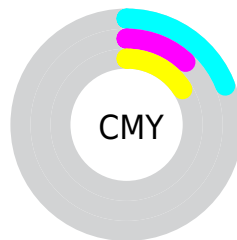
- Red (81%)
- Green (88%)
- Blue (84%)



- Red (81%)
- Yellow (85%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (19%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3750, 71.3394, 74.6669 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 64.3750, 71.3394, 74.6669 by changing the saturation by 10% instead.



■ 64.3750, 71.3394,  
74.6669

■ 64.3750, 71.3394,  
74.6669

430.1234,  
465.2390, 495.9967

■ 47.2173, 52.6192,  
54.8400

110.2215,  
121.1169, 127.5835

■ 33.4161, 37.4989,  
38.8759

139.6411,  
152.9429, 161.5102

■ 22.6062, 25.5940,  
26.3561

173.8786,  
189.9064, 200.9740

■ 14.4221, 16.5201,  
16.8621

213.2994,  
232.3917, 246.3932

■ 8.4985, 9.8930,  
9.9753

258.2690,  
280.7833, 298.1866

■ 4.4700, 5.3280,  
5.2772

309.1526,

■ 1.9713, 2.4410,

335.4654, 356.7726

2.3492

366.3156,  
396.8225, 422.5698

■ 0.6178, 0.8469,  
0.7586

■ 0.0000, 0.0000,  
0.0000

■ 64.3750, 71.3394,  
74.6669

■ 64.3750, 71.3394,  
74.6669

■ 57.2037, 67.8052,  
67.0732

■ 72.5351, 75.3760,  
82.8244

■ 50.9761, 64.7442,  
60.0266

■ 81.7151, 79.9248,  
91.5527

■ 45.6521, 62.1382,  
53.5162

■ 84.9349, 81.3892,  
100.5362

■ 41.1866, 59.9640,  
47.5288

■ 85.9470, 81.7940,  
105.8657

■ 37.5301, 58.1965,  
42.0510

■ 34.6281, 56.8077,  
37.0685

■ 32.4188, 55.7661,  
32.5662

■ 30.8298, 55.0347,  
28.5281

■ 29.7595, 54.5614,  
24.9361

# Harmonies

## Analogous

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



65.3458, 71.3394, 70.2851



64.3750, 71.3394, 74.6669



64.3125, 71.3394, 80.0579

# Triad

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



64.3750, 71.3394, 74.6669



68.6325, 71.3394, 88.3098



70.5084, 71.3394, 70.7599

# Complementary

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



64.3750, 71.3394, 74.6669



65.0801, 64.8981, 73.3899

# 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.



71.4237, 71.3394, 75.3427



64.3750, 71.3394, 74.6669



70.3271, 71.3394, 85.5687

# Square

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



64.3750, 71.3394, 74.6669



66.7468, 71.3394, 88.1080



71.3567, 71.3394, 80.7659



68.8763, 71.3394, 68.1026



# Rectangle

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



64.3750, 71.3394, 74.6669



64.7925, 71.3394, 83.5147



71.3567, 71.3394, 80.7659



70.9115, 71.3394, 72.1169

# Sweetspot

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



64.3770, 71.3424, 74.6685



92.7905, 98.8823, 106.6650



65.9113, 72.2634, 68.8679



19.8847, 21.1766, 22.8542



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

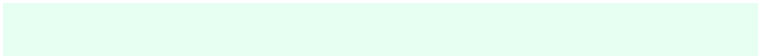


# Same Dimension

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



64.3770, 71.3424, 74.6685



84.2971, 94.6861, 98.0327



65.5256, 71.8019, 80.7170



13.8131, 15.4510, 16.0511



17.2752, 31.7349, 14.4383



1.2426, 2.2178, 1.2388



# Inverse Universe

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



65.0801, 64.8981, 73.3899



85.4628, 84.0017, 95.9130



63.9910, 64.4624, 67.6547



13.9917, 13.8143, 15.7264



19.6543, 9.9287, 10.1114

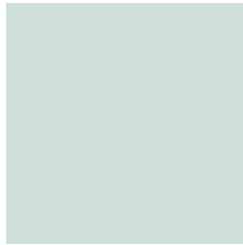


1.4075, 0.7063, 0.9389



# Previews

## White Background



This preview shows how the XYZ color 64.3750, 71.3394, 74.6669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

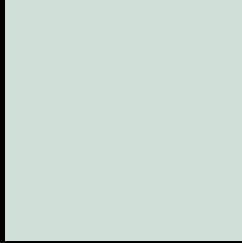
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3750, 71.3394, 74.6669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

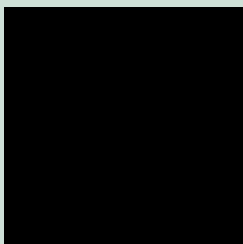
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

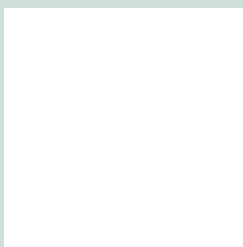
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.3750, 71.3394, 74.6669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.3750, 71.3394, 74.6669.



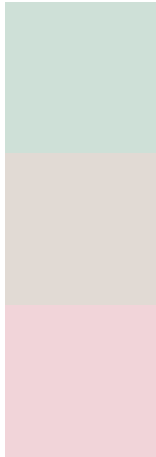
This preview shows how white text looks on a background with the XYZ color 64.3750, 71.3394,

74.6669.

# 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

64.3750, 71.3394, 74.6669

### Protanopia

68.0064, 70.9038, 72.3888

### Deuteranopia

72.3435, 70.7975, 75.4980



## Tritanopia

67.8674, 71.5876, 91.1297

# Trichromacy



## Original Color

64.3750, 71.3394, 74.6669

## Protanomaly

66.5169, 70.8959, 73.1293

## Deuteranomaly

68.9454, 70.5636, 74.9521

## Tritanomaly

66.6987, 71.5110, 85.1505

# Monochromacy



## Original Color

64.3750, 71.3394, 74.6669

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.8491, 70.4923, 75.7814

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3750, 71.3394, 74.6669 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(206, 224, 215) looks like.

```
.text, #text, p{  
    color:rgb(206, 224, 215)  
}
```

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(206, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 224, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3750, 71.3394, 74.6669 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(206, 224, 215) }
```



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

```
.border{ border-color:rgb(206, 224, 215) }
```

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

Here you see how a box with a 4 pixel rgb(206, 224, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(206, 224,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3750, 71.3394, 74.6669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 224, 215) }
```

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

```
.background{ background-color: rgb(206,  
224, 215) }
```

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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