

Converting Colors

XYZ(63.4631, 71.6951, 66.8537)

Have a look what the booklet for
XYZ(63.4631, 71.6951, 66.8537)
contains.

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Color

**XYZ(63.7080, 71.9699,
67.0337)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE2CB
RGB	207, 226, 203
RGB Percent	81%, 89%, 80%
CMY	0.1882, 0.1137, 0.2039
CMYK	0.08, 0.00, 0.10, 0.11
HSL	110°, 28%, 84%
HSV	110°, 10%, 89%
XYZ	63.7080, 71.9699, 67.0337
YIQ	217.6970, -3.9410, -11.1810

Conversions

Conversions Part 2

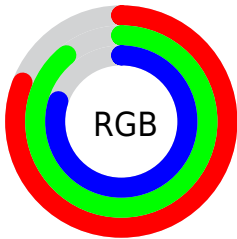
Format	Color
R _Y B	203, 226, 222
Decimal	13624011
CIE Lab	87.95, -10.50, 9.09
CIE LCh	88, 13.889, 139.115
Yxy	71.9699, 0.3143, 0.3550
Android (android.graphics.Color)	4291814091 (0xFFCFE2CB)
YUV	217.6970, -7.2456, -9.3813
Hunter-Lab	84.8351, -14.4145, 12.5357

Details

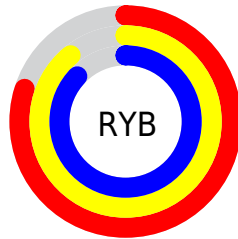
The XYZ color **63.7080, 71.9699, 67.0337** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2104, 63.7344, 80.8202**, and the grayscale version is **66.4838, 69.9461, 76.1714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1246, 38.0681, 34.0358** is the 20% darker color. If you saturate the color by 10%, you get **56.2975, 68.4406, 53.6378**, and if you desaturate by 10%, it is **72.1320, 75.9805, 82.5296**.

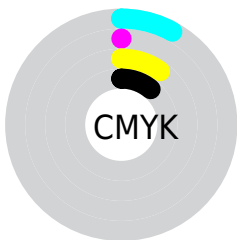
Distribution



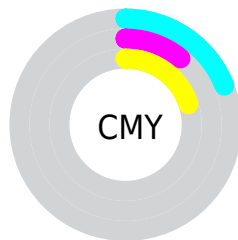
- Red (81%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (19%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7080, 71.9699, 67.0337 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 63.7080, 71.9699, 67.0337 by changing the saturation by 10% instead.

63.7080, 71.9699,
67.0337

63.7080, 71.9699,
67.0337

427.7534,
467.4368, 468.5695

46.6750, 53.1341,
48.6502

109.2664,
122.0137, 116.6098

32.9857, 37.9098,
33.9785

138.5225,
153.9905, 148.6395

22.2747, 25.9127,
22.5998

172.5837,
191.1165, 186.0551

14.1766, 16.7583,
14.0958

211.8153,
233.7759, 229.2751

8.3261, 10.0623,
8.0478

256.5828,
282.3533, 278.7179

4.3579, 5.4403,
4.0373

307.2513,

1.9065, 2.5079,

337.2330, 334.8023

1.6459

364.1864,
398.7994, 397.9466

■ 0.5806, 0.8806,
0.3232

■ 0.0000, 0.0000,
0.0000

■ 63.7080, 71.9699,
67.0337

■ 63.7080, 71.9699,
67.0337

■ 56.2975, 68.4406,
53.6378

■ 72.1320, 75.9805,
82.5296

■ 49.8563, 65.3654,
42.2470

■ 81.5999, 80.4799,
100.2053

■ 44.3455, 62.7287,
32.7662

■ 86.4878, 82.8755,
106.0459

■ 39.7214, 60.5100,
25.0909

■ 35.9368, 58.6875,
19.1064

■ 32.9397, 57.2372,
14.6849

■ 30.6724, 56.1325,
11.6803

■ 29.0682, 55.3428,
9.9193

■ 28.0457, 54.8327,
9.1056

Harmonies

Analogous

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



66.3433, 71.9699, 62.3798



63.7080, 71.9699, 67.0337



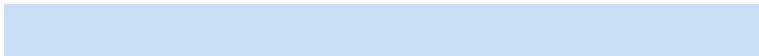
62.3469, 71.9699, 74.9731

Triad

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



63.7080, 71.9699, 67.0337



67.2111, 71.9699, 97.6483



74.5932, 71.9699, 72.5475

Complementary

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



63.7080, 71.9699, 67.0337



65.2104, 63.7344, 80.8202

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.



74.8438, 71.9699, 81.8535



63.7080, 71.9699, 67.0337



70.5095, 71.9699, 96.8668

Square

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



63.7080, 71.9699, 67.0337



64.3257, 71.9699, 92.9584



73.3279, 71.9699, 90.9018



72.6537, 71.9699, 65.3814

Rectangle

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



63.7080, 71.9699, 67.0337



62.3149, 71.9699, 81.2846



73.3279, 71.9699, 90.9018



74.8800, 71.9699, 75.5122

Sweetspot

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



63.7100, 71.9730, 67.0353



91.5556, 98.3380, 102.4348



68.2103, 72.6114, 66.9213



19.4013, 20.9554, 21.5648



0.0000, 0.0000, 0.0000



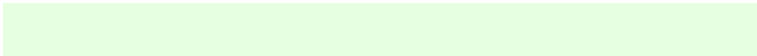
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7100, 71.9730, 67.0353



81.8124, 93.7004, 84.5798



63.4954, 71.7597, 71.6643



13.7498, 15.4512, 14.5645



16.0684, 31.3161, 5.1977



1.1809, 2.2053, 0.3634

Inverse Universe

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



65.2104, 63.7344, 80.8202



84.1228, 81.0114, 105.8108



65.4714, 63.9820, 75.7243



14.0490, 13.8088, 17.3126



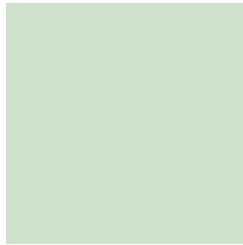
19.5715, 9.1848, 41.7897



1.4189, 0.6688, 2.8995

Previews

White Background



This preview shows how the XYZ color 63.7080, 71.9699, 67.0337 looks on a white background.

Color Contrast Check

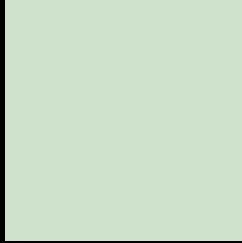
Large Text (above 18pt) WCAG AA × Fail

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 63.7080, 71.9699, 67.0337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

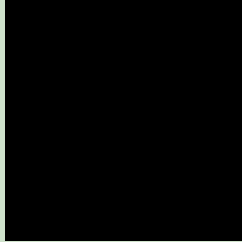
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

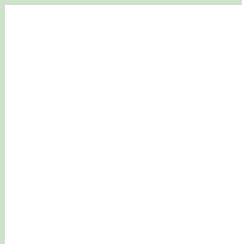
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7080, 71.9699, 67.0337

Background



This preview shows how black text looks on a background with the XYZ color 63.7080, 71.9699, 67.0337.

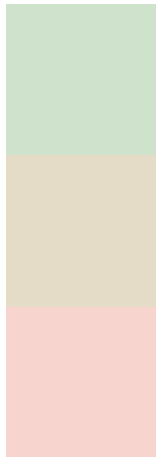


This preview shows how white text looks on a background with the XYZ color 63.7080, 71.9699,

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



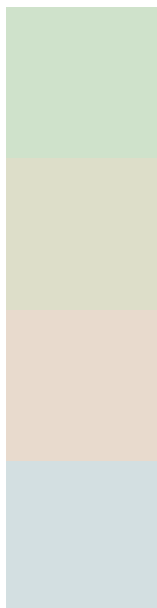
Original Color
63.7080, 71.9699, 67.0337
Protanopia
68.3316, 72.0145, 64.9423
Deuteranopia
73.2926, 71.8189, 68.3920



Tritanopia

68.7296, 72.0321, 91.1701

Trichromacy



Original Color

63.7080, 71.9699, 67.0337

Protanomaly

66.4827, 71.8318, 65.6192

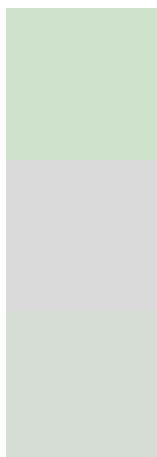
Deuteranomaly

69.3696, 71.7064, 67.9422

Tritanomaly

66.8423, 72.0605, 81.6203

Monochromacy



Original Color

63.7080, 71.9699, 67.0337

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5982, 70.8131, 73.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7080, 71.9699, 67.0337 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(207, 226, 203)` looks like.

```
.text, #text, p{  
    color:rgb(207, 226, 203)  
}
```

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(207, 226, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 226, 203) }
```

Border

The CSS property to change the border of an element to XYZ 63.7080, 71.9699, 67.0337 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(207, 226, 203) }
```


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

```
.border{ border-color:rgb(207, 226, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 226, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 226, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 226, 203);  
box-shadow:4px 4px 4px 4px rgb(207, 226,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7080, 71.9699, 67.0337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 226, 203) }
```

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

```
.background{ background-color: rgb(207,  
226, 203) }
```

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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