

Converting Colors

XYZ(63.6973, 71.0068, 73.9690)

Have a look what the booklet for
XYZ(63.6973, 71.0068, 73.9690)
contains.

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Color

**XYZ(63.6951, 71.0037,
73.9663)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE0D6
RGB	204, 224, 214
RGB Percent	80%, 88%, 84%
CMY	0.2000, 0.1215, 0.1608
CMYK	0.09, 0.00, 0.04, 0.12
HSL	150°, 24%, 84%
HSV	150°, 9%, 88%
XYZ	63.6951, 71.0037, 73.9663
YIQ	216.8800, -8.7100, -7.3500

Conversions

Conversions Part 2

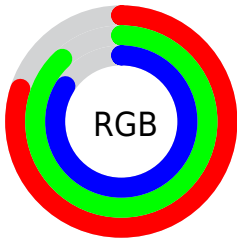
Format	Color
R _Y B	204, 217, 224
Decimal	13426902
CIE Lab	87.49, -8.52, 2.61
CIE LCh	87, 8.907, 162.953
Yxy	71.0037, 0.3053, 0.3403
Android (android.graphics.Color)	4291616982 (0xFFCCE0D6)
YUV	216.8800, -1.4198, -11.2958
Hunter-Lab	84.2637, -12.5329, 6.9401

Details

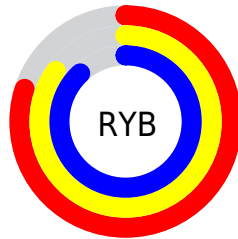
The XYZ color **63.6951, 71.0037, 73.9663** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4735, 63.8899, 72.5556**, and the grayscale version is **65.8865, 69.3177, 75.4870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0237, 37.3632, 38.2722** is the 20% darker color. If you saturate the color by 10%, you get **56.6099, 67.5128, 66.4223**, and if you desaturate by 10%, it is **71.7657, 74.9952, 82.0731**.

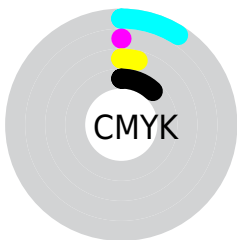
Distribution



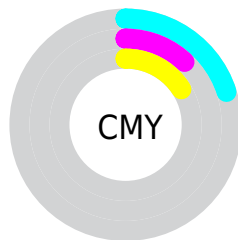
- Red (80%)
- Green (88%)
- Blue (84%)



- Red (80%)
- Yellow (85%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6951, 71.0037, 73.9663 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 63.6951, 71.0037, 73.9663 by changing the saturation by 10% instead.

■ 63.6951, 71.0037,
73.9663

■ 63.6951, 71.0037,
73.9663

427.7075,
464.0664, 493.5173

■ 46.6645, 52.3452,
54.2698

109.2479,
120.6390, 126.5816

■ 32.9774, 37.2803,
38.4228

138.5008,
152.3846, 160.3376

■ 22.2683, 25.4246,
26.0066

172.5586,
189.2614, 199.6171

■ 14.1718, 16.3937,
16.6028

211.7866,
231.6537, 244.8388

■ 8.3228, 9.8032,
9.7927

256.5501,
279.9459, 296.4211

■ 4.3557, 5.2686,
5.1580

307.2145,

■ 1.9053, 2.4057,

334.5225, 354.7826

2.2799

364.1452,
395.7679, 420.3418

■ 0.5799, 0.8288,
0.7199

■ 0.0000, 0.0000,
0.0000

■ 63.6951, 71.0037,
73.9663

■ 63.6951, 71.0037,
73.9663

■ 56.6099, 67.5128,
66.4223

■ 71.7657, 74.9952,
82.0731

■ 50.4647, 64.4934,
59.4242

■ 80.8530, 79.4972,
90.7496

■ 45.2193, 61.9269,
52.9611

■ 84.7795, 81.3270,
99.7179

■ 40.8281, 59.7901,
47.0199

■ 85.9470, 81.7940,
105.8657

■ 37.2413, 58.0576,
41.5869

■ 34.4038, 56.7011,
36.6479

■ 32.2530, 55.6889,
32.1878

■ 30.7154, 54.9831,
28.1903

■ 29.6779, 54.5258,
24.6369

Harmonies

Analogous

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



64.7695, 71.0037, 69.1428



63.6951, 71.0037, 73.9663



63.6232, 71.0037, 79.9354

Triad

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



63.6951, 71.0037, 73.9663



68.3972, 71.0037, 89.1522



70.4892, 71.0037, 69.6870

Complementary

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



63.6951, 71.0037, 73.9663



64.4735, 63.8899, 72.5556

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.



71.5039, 71.0037, 74.7446



63.6951, 71.0037, 73.9663



70.2793, 71.0037, 86.0984

Square

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



63.6951, 71.0037, 73.9663



66.3087, 71.0037, 88.9170



71.4262, 71.0037, 80.7550



68.6790, 71.0037, 66.7615

Rectangle

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



63.6951, 71.0037, 73.9663



64.1511, 71.0037, 83.7815



71.4262, 71.0037, 80.7550



70.9363, 71.0037, 71.1825

Sweetspot

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



63.6971, 71.0067, 73.9679



91.6814, 98.3339, 105.5591



65.3862, 72.0206, 67.5829



19.4354, 20.9544, 22.4054



0.0000, 0.0000, 0.0000



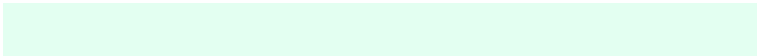
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6971, 71.0067, 73.9679



83.2959, 94.1920, 96.9883



64.9693, 71.5156, 80.6674



13.8131, 15.4510, 16.0511



17.2753, 31.7350, 14.4387



1.2426, 2.2178, 1.2388

Inverse Universe

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



64.4735, 63.8899, 72.5556



84.5692, 82.5203, 94.6722



63.2746, 63.4104, 66.2422



13.9917, 13.8143, 15.7263



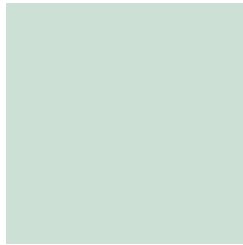
19.6542, 9.9287, 10.1110



1.4075, 0.7063, 0.9388

Previews

White Background



This preview shows how the XYZ color 63.6951, 71.0037, 73.9663 looks on a white background.

Color Contrast Check

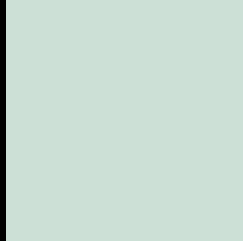
Large Text (above 18pt) WCAG AA × Fail

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 63.6951, 71.0037, 73.9663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

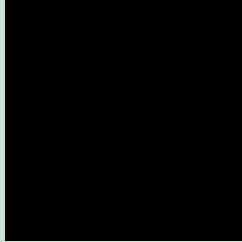
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

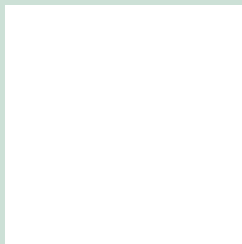
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6951, 71.0037, 73.9663

Background



This preview shows how black text looks on a background with the XYZ color 63.6951, 71.0037, 73.9663.

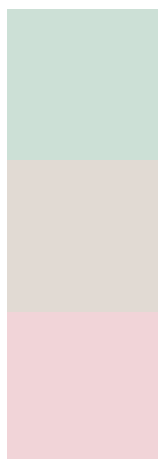


This preview shows how white text looks on a background with the XYZ color 63.6951, 71.0037,

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

63.6951, 71.0037, 73.9663

Protanopia

67.8806, 70.8535, 71.7264

Deuteranopia

72.2138, 70.7456, 74.8149



Tritanopia

67.0382, 70.7693, 91.0155

Trichromacy



Original Color

63.6951, 71.0037, 73.9663

Protanomaly

66.0921, 70.6916, 72.4488

Deuteranomaly

68.8165, 70.5120, 74.2731

Tritanomaly

65.7314, 70.6354, 84.2983

Monochromacy



Original Color

63.6951, 71.0037, 73.9663

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1392, 70.1413, 75.0712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6951, 71.0037, 73.9663 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(204, 224, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 224, 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(204, 224, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 224, 214) }
```

Border

The CSS property to change the border of an element to XYZ 63.6951, 71.0037, 73.9663 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(204, 224, 214) }
```


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

```
.border{ border-color:rgb(204, 224, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 224, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 224, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 224, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 224,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6951, 71.0037, 73.9663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 224, 214) }
```

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

```
.background{ background-color: rgb(204,  
224, 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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