

Converting Colors

XYZ(63.2706, 71.8702, 67.4744)

Have a look what the booklet for
XYZ(63.2706, 71.8702, 67.4744)
contains.

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Color

**XYZ(63.2723, 71.7315,
67.6375)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CDE2CC |
| RGB | 205, 226, 204 |
| RGB Percent | 80%, 89%, 80% |
| CMY | 0.1961, 0.1137, 0.2000 |
| CMYK | 0.09, 0.00, 0.10, 0.11 |
| HSL | 117°, 28%, 84% |
| HSV | 117°, 10%, 89% |
| XYZ | 63.2723, 71.7315, 67.6375 |
| YIQ | 217.2130, -5.4540, -11.2940 |

Conversions

Conversions Part 2

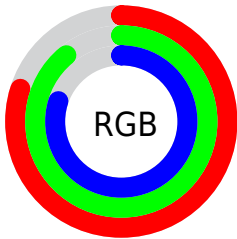
| Format | Color |
|-------------------------------------|--|
| RYB | 204, 226, 225 |
| Decimal | 13492940 |
| CIELab | 87.84, -11.00, 8.38 |
| CIELCh | 88, 13.834, 142.701 |
| Yxy | 71.7315, 0.3122, 0.3540 |
| Android (android.graphics.Color) | 4291683020 (0xFFCDE2CC) |
| YUV | 217.2130, -6.5140, -10.7108 |
| Hunter-Lab | 84.6945, -14.8641, 11.9368 |

Details

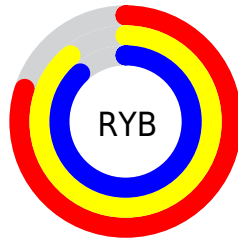
The XYZ color **63.2723, 71.7315, 67.6375** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3745, 64.6863, 80.9426**, and the grayscale version is **66.1470, 69.5918, 75.7855**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8304, 37.9071, 34.4406** is the 20% darker color. If you saturate the color by 10%, you get **55.2098, 67.8680, 54.1222**, and if you desaturate by 10%, it is **72.5527, 76.1815, 83.2661**.

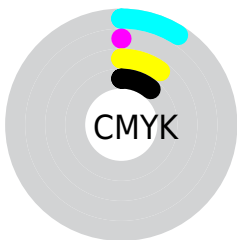
Distribution



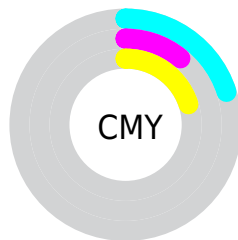
- Red (80%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2723, 71.7315, 67.6375 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 63.2723, 71.7315, 67.6375 by changing the saturation by 10% instead.

■ 63.2723, 71.7315,
67.6375

■ 63.2723, 71.7315,
67.6375

426.2010,
466.6065, 470.7737

■ 46.3210, 52.9394,
49.1380

108.6419,
121.6747, 117.4827

■ 32.7049, 37.7544,
34.3626

137.7909,
153.5946, 149.6655

■ 22.0586, 25.7921,
22.8927

171.7365,
190.6592, 187.2466

■ 14.0168, 16.6682,
14.3097

210.8440,
233.2529, 230.6444

■ 8.2142, 9.9982,
8.1952

255.4789,
281.7600, 280.2774

■ 4.2852, 5.3978,
4.1305

306.0065,

■ 1.8647, 2.4825,

336.5651, 336.5643

1.6972

362.7920,
398.0525, 399.9236

■ 0.5562, 0.8678,
0.3588

■ 0.0000, 0.0000,
0.0000

■ 63.2723, 71.7315,
67.6375

■ 63.2723, 71.7315,
67.6375

■ 55.2098, 67.8680,
54.1222

■ 72.5527, 76.1815,
83.2661

■ 48.3091, 64.5579,
42.6250

■ 83.0925, 81.2314,
101.0882

■ 42.5184, 61.7786,
33.0507

■ 86.4878, 82.8755,
106.0459

■ 37.7798, 59.5025,
25.2943

■ 34.0300, 57.6995,
19.2409

■ 31.1989, 56.3363,
14.7625

■ 29.2075, 55.3751,
11.7130

■ 27.9629, 54.7719,
9.9193

■ 27.3369, 54.4669,
9.0895

Harmonies

Analogous

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



65.7679, 71.7315, 62.5628



63.2723, 71.7315, 67.6375



62.0982, 71.7315, 75.8255

Triad

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



63.2723, 71.7315, 67.6375



67.3786, 71.7315, 97.4739



74.1787, 71.7315, 71.3225

Complementary

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



63.2723, 71.7315, 67.6375



66.3745, 64.6863, 80.9426

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.



74.6436, 71.7315, 80.4265



63.2723, 71.7315, 67.6375



70.6476, 71.7315, 96.0254

Square

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



63.2723, 71.7315, 67.6375



64.4190, 71.7315, 93.4095



73.3323, 71.7315, 89.5968



72.0818, 71.7315, 64.5680

Rectangle

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



63.2723, 71.7315, 67.6375



62.1955, 71.7315, 82.1520



73.3323, 71.7315, 89.5968



74.5337, 71.7315, 74.1900

Sweetspot

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



63.2743, 71.7346, 67.6391



91.2068, 98.1583, 102.4185



69.1645, 74.3284, 67.8293



19.3076, 20.9071, 21.5604



0.0000, 0.0000, 0.0000



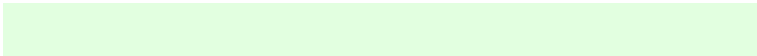
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2743, 71.7346, 67.6391



80.5672, 93.0584, 84.5215



64.2253, 72.0832, 74.0820



13.5861, 15.3668, 14.5568



15.6156, 31.0826, 5.1765



1.1030, 2.1651, 0.3598

Inverse Universe

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



66.3745, 64.6863, 80.9426



85.5437, 81.7439, 105.8772



65.3670, 64.3194, 74.0057



14.2303, 13.9022, 17.3211



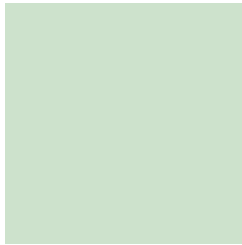
23.9706, 11.4526, 41.9955



1.6808, 0.8038, 2.9118

Previews

White Background



This preview shows how the XYZ color 63.2723, 71.7315, 67.6375 looks on a white background.

Color Contrast Check

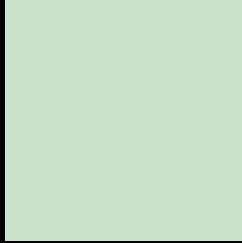
Large Text (above 18pt) WCAG AA × Fail

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 63.2723, 71.7315, 67.6375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

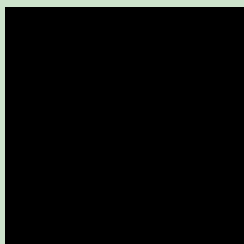
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

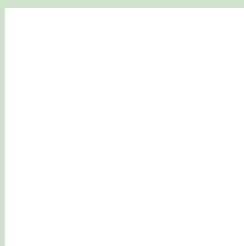
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2723, 71.7315, 67.6375

Background



This preview shows how black text looks on a background with the XYZ color 63.2723, 71.7315, 67.6375.

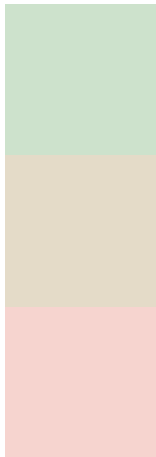


This preview shows how white text looks on a background with the XYZ color 63.2723, 71.7315,

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

63.2723, 71.7315, 67.6375

Protanopia

67.7518, 71.3271, 64.8402

Deuteranopia

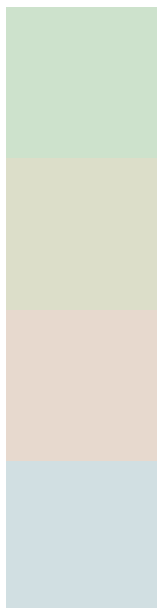
72.8120, 71.1848, 68.9339



Tritanopia

68.1530, 71.7348, 91.1431

Trichromacy



Original Color

63.2723, 71.7315, 67.6375

Protanomaly

66.1791, 71.6752, 65.6050

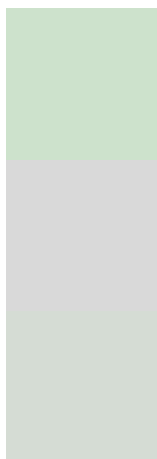
Deuteranomaly

68.9084, 71.0709, 68.4787

Tritanomaly

66.4096, 71.8216, 82.3143

Monochromacy



Original Color

63.2723, 71.7315, 67.6375

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.9174, 70.0860, 72.3938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2723, 71.7315, 67.6375 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(205, 226, 204) looks like.

```
.text, #text, p{  
    color:rgb(205, 226, 204)  
}
```

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(205, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 226, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.2723, 71.7315, 67.6375 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(205, 226, 204) }
```


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

```
.border{ border-color:rgb(205, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(205, 226,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2723, 71.7315, 67.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 226, 204) }
```

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

```
.background{ background-color: rgb(205,  
226, 204) }
```

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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