

Converting Colors

XYZ(63.3990, 72.1987, 67.9565)

Have a look what the booklet for
XYZ(63.3990, 72.1987, 67.9565)
contains.

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Color

**XYZ(63.2700, 72.1352,
67.7155)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3CC
RGB	204, 227, 204
RGB Percent	80%, 89%, 80%
CMY	0.2000, 0.1098, 0.2000
CMYK	0.10, 0.00, 0.10, 0.11
HSL	120°, 29%, 85%
HSV	120°, 10%, 89%
XYZ	63.2700, 72.1352, 67.7155
YIQ	217.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

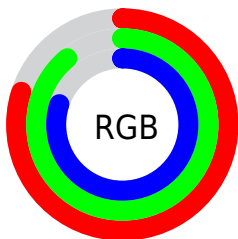
Format	Color
RYB	204, 227, 227
Decimal	13427660
CIELab	88.03, -11.85, 8.65
CIELCh	88, 14.672, 143.859
Yxy	72.1352, 0.3115, 0.3551
Android (android.graphics.Color)	4291617740 (0xFFCCE3CC)
YUV	217.5010, -6.6560, -11.8404
Hunter-Lab	84.9324, -15.6591, 12.1816

Details

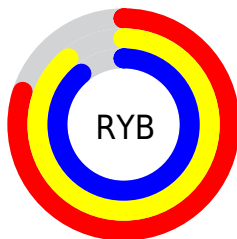
The XYZ color **63.2700, 72.1352, 67.7155** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1392, 65.0644, 81.6966**, and the grayscale version is **66.3462, 69.8014, 76.0137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8352, 38.1911, 34.4952** is the 20% darker color. If you saturate the color by 10%, you get **54.9686, 68.1498, 54.1355**, and if you desaturate by 10%, it is **72.8791, 76.7531, 83.4311**.

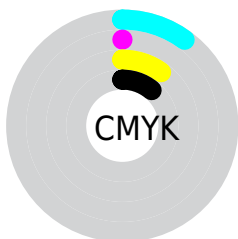
Distribution



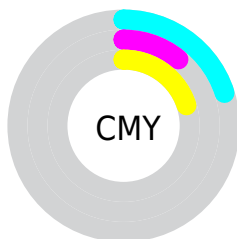
- Red (80%)
- Green (89%)
- Blue (80%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2700, 72.1352, 67.7155 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 63.2700, 72.1352, 67.7155 by changing the saturation by 10% instead.

■ 63.2700, 72.1352,
67.7155

■ 63.2700, 72.1352,
67.7155

426.1928,
468.0120, 471.0580

■ 46.3191, 53.2691,
49.2011

108.6386,
122.2487, 117.5954

■ 32.7034, 38.0177,
34.4123

137.7870,
154.2650, 149.7980

■ 22.0575, 25.9964,
22.9306

171.7320,
191.4334, 187.4003

■ 14.0160, 16.8209,
14.3374

210.8389,
234.1384, 230.8210

■ 8.2136, 10.1069,
8.2143

255.4731,
282.7644, 280.4786

■ 4.2849, 5.4699,
4.1427


305.9999,

■ 1.8645, 2.5255,

337.6957, 336.7916


1.7039


362.7847,
399.3168, 400.1786


 0.5561, 0.8894,
0.3634


 0.0000, 0.0000,
0.0000

 63.2700, 72.1352,
67.7155


 63.2700, 72.1352,
67.7155


 54.9686, 68.1498,
54.1355


 72.8791, 76.7531,
83.4311

 47.9129, 64.7605,
42.5946

 83.8427, 82.0194,
101.3639

 42.0445, 61.9416,
32.9957

 86.7605, 83.4210,
106.1368

 37.2982, 59.6617,
25.2323

■ 33.6025, 57.8865,
19.1872

■ 30.8777, 56.5776,
14.7302

■ 29.0326, 55.6914,
11.7121

■ 27.9589, 55.1756,
9.9558

■ 27.4705, 54.9410,
9.1569

Harmonies

Analogous

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



65.8762, 72.1352, 62.2023



63.2700, 72.1352, 67.7155



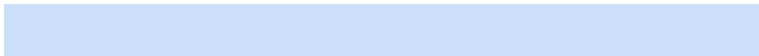
62.0866, 72.1352, 76.4991

Triad

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



63.2700, 72.1352, 67.7155



67.8449, 72.1352, 99.3064



74.9030, 72.1352, 71.0023

Complementary

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



63.2700, 72.1352, 67.7155



67.1392, 65.0644, 81.6966

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.



75.4734, 72.1352, 80.6229



63.2700, 72.1352, 67.7155



71.3206, 72.1352, 97.5208

Square

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



63.2700, 72.1352, 67.7155



64.6694, 72.1352, 95.1582



74.1419, 72.1352, 90.4672



72.6085, 72.1352, 63.9839

Rectangle

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



63.2700, 72.1352, 67.7155



62.2339, 72.1352, 83.2505



74.1419, 72.1352, 90.4672



75.3059, 72.1352, 74.0163

Sweetspot

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



63.2720, 72.1383, 67.7171



91.0839, 98.0949, 102.4128



70.0499, 75.6325, 68.0340



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



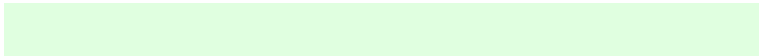
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2720, 72.1383, 67.7171



80.1335, 92.8349, 84.5016



64.7032, 72.7108, 75.2539



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946

Inverse Universe

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



67.1392, 65.0644, 81.6966



86.0532, 82.0065, 105.9007



65.6039, 64.4503, 73.6120



14.9952, 14.6153, 18.1750



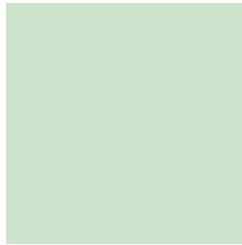
26.5609, 12.7586, 43.4443



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 63.2700, 72.1352, 67.7155 looks on a white background.

Color Contrast Check

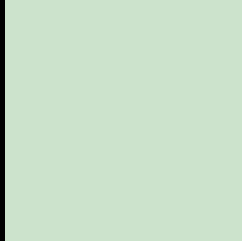
Large Text (above 18pt) WCAG AA × Fail

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 63.2700, 72.1352, 67.7155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

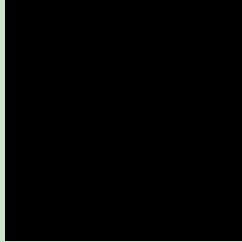
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

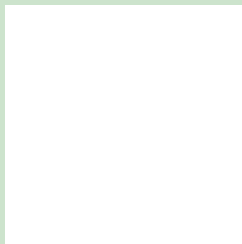
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2700, 72.1352, 67.7155

Background



This preview shows how black text looks on a background with the XYZ color 63.2700, 72.1352, 67.7155.



This preview shows how white text looks on a background with the XYZ color 63.2700, 72.1352,

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

63.2700, 72.1352, 67.7155

Protanopia

68.3316, 72.0145, 64.9423

Deuteranopia

73.4145, 71.8677, 69.0340



Tritanopia

68.2796, 72.1762, 91.9940

Trichromacy



Original Color

63.2700, 72.1352, 67.7155

Protanomaly

66.4455, 72.2080, 65.6938

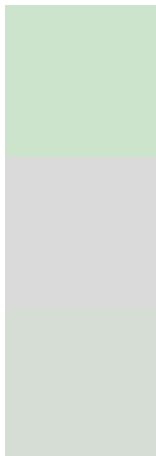
Deuteranomaly

69.1670, 71.5880, 68.5649

Tritanomaly

66.3955, 72.2122, 82.3904

Monochromacy



Original Color

63.2700, 72.1352, 67.7155

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3073, 70.6631, 73.1481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2700, 72.1352, 67.7155 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, 227, 204) looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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(204, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.2700, 72.1352, 67.7155 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, 227, 204) }
```


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

```
.border{ border-color:rgb(204, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2700, 72.1352, 67.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 204) }
```

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

```
.background{ background-color: rgb(204,  
227, 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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