

Converting Colors

XYZ(63.6466, 72.3008, 69.2823)

Have a look what the booklet for
XYZ(63.6466, 72.3008, 69.2823)
contains.

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Color

**XYZ(63.5115, 72.2318,
68.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3CE
RGB	204, 227, 206
RGB Percent	80%, 89%, 81%
CMY	0.2000, 0.1098, 0.1922
CMYK	0.10, 0.00, 0.09, 0.11
HSL	125°, 29%, 85%
HSV	125°, 10%, 89%
XYZ	63.5115, 72.2318, 68.9872
YIQ	217.7290, -6.9670, -11.4070

Conversions

Conversions Part 2

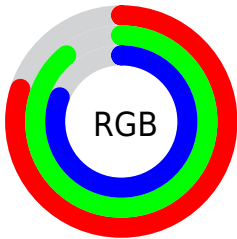
Format	Color
R_{YB}	204, 225, 227
Decimal	13427662
CIE _{Lab}	88.08, -11.49, 7.67
CIE _{LCh}	88, 13.818, 146.280
Yxy	72.2318, 0.3102, 0.3528
Android (android.graphics.Color)	4291617742 (0xFFCCE3CE)
YUV	217.7290, -5.7824, -12.0403
Hunter-Lab	84.9893, -15.3403, 11.3658

Details

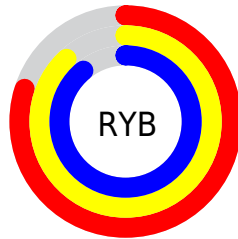
The XYZ color **63.5115, 72.2318, 68.9872** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8646, 64.9546, 80.2510**, and the grayscale version is **66.4976, 69.9606, 76.1871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9977, 38.2561, 35.3508** is the 20% darker color. If you saturate the color by 10%, you get **55.3832, 68.3156, 56.3186**, and if you desaturate by 10%, it is **72.8827, 76.7545, 83.4503**.

Distribution



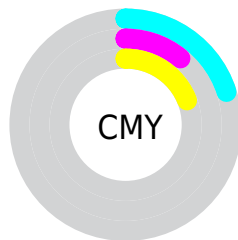
- Red (80%)
- Green (89%)
- Blue (81%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5115, 72.2318, 68.9872 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 63.5115, 72.2318, 68.9872 by changing the saturation by 10% instead.

63.5115, 72.2318,
68.9872

63.5115, 72.2318,
68.9872

427.0537,
468.3480, 475.6785

46.5153, 53.3481,
50.2296

108.9848,
122.3860, 119.4308

32.8590, 38.0807,
35.2234

138.1926,
154.4253, 151.9539

22.1772, 26.0453,
23.5501

172.2017,
191.6185, 189.9026

14.1045, 16.8575,
14.7911

211.3774,
234.3501, 233.6954

8.2756, 10.1330,
8.5279

256.0851,
283.0045, 283.7508

4.3251, 5.4872,
4.3420

306.6902,

1.8876, 2.5359,

337.9660, 340.4875

1.8148

363.5579,
399.6190, 404.3239

■ 0.5696, 0.8945,
0.4377

■ 0.0000, 0.0000,
0.0000

■ 63.5115, 72.2318,
68.9872

■ 63.5115, 72.2318,
68.9872

■ 55.3832, 68.3156,
56.3186

■ 72.8827, 76.7545,
83.4503

■ 48.4399, 64.9713,
45.3699

■ 83.5398, 81.8983,
99.7690

■ 42.6280, 62.1750,
36.0685

■ 86.7605, 83.4210,
106.1368

■ 37.8873, 59.8974,
28.3347

■ 34.1522, 58.1064,
22.0821

■ 31.3498, 56.7665,
17.2162

■ 29.3970, 55.8371,
13.6312

■ 28.1964, 55.2706,
11.2066

■ 27.5945, 54.9906,
9.8096

Harmonies

Analogous

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



65.8834, 72.2318, 63.4563



63.5115, 72.2318, 68.9872



62.5161, 72.2318, 77.4754

Triad

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



63.5115, 72.2318, 68.9872



68.2434, 72.2318, 98.2074



74.5010, 72.2318, 70.8749

Complementary

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



63.5115, 72.2318, 68.9872



66.8646, 64.9546, 80.2510

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.



75.1813, 72.2318, 79.8327



63.5115, 72.2318, 68.9872



71.5015, 72.2318, 96.0895

Square

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



63.5115, 72.2318, 68.9872



65.1923, 72.2318, 94.7488



74.0672, 72.2318, 89.1714



72.2364, 72.2318, 64.4834

Rectangle

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



63.5115, 72.2318, 68.9872



62.7428, 72.2318, 83.8523



74.0672, 72.2318, 89.1714



74.9256, 72.2318, 73.6639

Sweetspot

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



63.5135, 72.2349, 68.9888



91.1870, 98.1361, 102.9554



69.4486, 75.3224, 68.0059



19.3023, 20.9012, 21.7046



0.0000, 0.0000, 0.0000



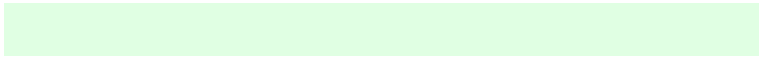
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5135, 72.2349, 68.9888



80.4981, 92.9807, 86.4215



64.9518, 72.8102, 76.5631



14.2400, 16.1094, 15.5284



16.1101, 32.0761, 5.8139



1.2081, 2.3774, 0.5226

Inverse Universe

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



66.8646, 64.9546, 80.2510



85.6278, 81.8364, 103.6604



65.3582, 64.3520, 72.3181



14.9382, 14.5925, 17.8750



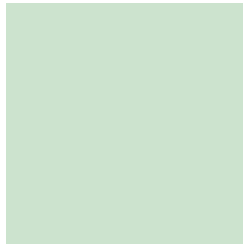
25.0840, 12.1678, 35.6667



1.8696, 0.9056, 2.7198

Previews

White Background



This preview shows how the XYZ color 63.5115, 72.2318, 68.9872 looks on a white background.

Color Contrast Check

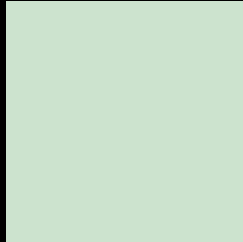
Large Text (above 18pt) WCAG AA × Fail

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 63.5115, 72.2318, 68.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

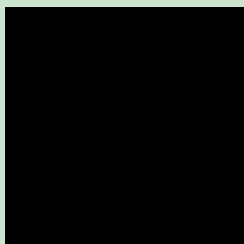
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

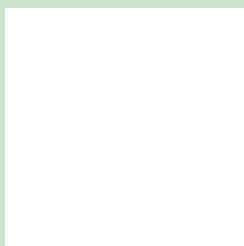
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5115, 72.2318, 68.9872

Background



This preview shows how black text looks on a background with the XYZ color 63.5115, 72.2318, 68.9872.



This preview shows how white text looks on a background with the XYZ color 63.5115, 72.2318,

68.9872.

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

63.5115, 72.2318, 68.9872

Protanopia

68.5670, 72.1087, 66.1816

Deuteranopia

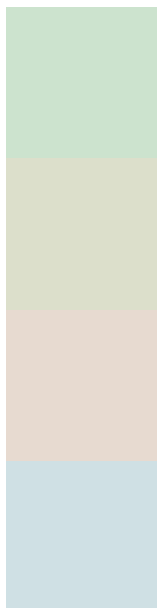
73.3089, 71.7848, 70.3137



Tritanopia

68.1439, 72.0891, 92.7611

Trichromacy



Original Color

63.5115, 72.2318, 68.9872

Protanomaly

66.6824, 72.3028, 66.9412

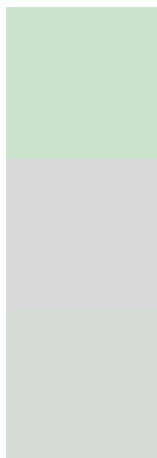
Deuteranomaly

69.4116, 71.6858, 69.8529

Tritanomaly

66.3914, 72.1781, 83.8314

Monochromacy



Original Color

63.5115, 72.2318, 68.9872

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4346, 70.7141, 73.8187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5115, 72.2318, 68.9872 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 206) }
```

Border

The CSS property to change the border of an element to XYZ 63.5115, 72.2318, 68.9872 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, 206) }
```


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

```
.border{ border-color:rgb(204, 227, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5115, 72.2318, 68.9872 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, 206) }
```

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

```
.background{ background-color: rgb(204,  
227, 206) }
```

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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