

Converting Colors

XYZ(63.2837, 71.3855, 72.0225)

Have a look what the booklet for
XYZ(63.2837, 71.3855, 72.0225)
contains.

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Color

**XYZ(63.3117, 71.2501,
72.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE1D3
RGB	203, 225, 211
RGB Percent	80%, 88%, 83%
CMY	0.2039, 0.1176, 0.1725
CMYK	0.10, 0.00, 0.06, 0.12
HSL	142°, 27%, 84%
HSV	142°, 10%, 88%
XYZ	63.3117, 71.2501, 72.0438
YIQ	216.8260, -8.6180, -9.0180

Conversions

Conversions Part 2

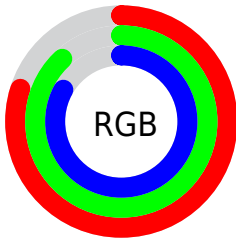
Format	Color
RYB	203, 219, 225
Decimal	13361619
CIELab	87.61, -9.91, 4.35
CIELCh	88, 10.825, 156.284
Yxy	71.2501, 0.3064, 0.3449
Android (android.graphics.Color)	4291551699 (0xFFCBE1D3)
YUV	216.8260, -2.8722, -12.1254
Hunter-Lab	84.4098, -13.8329, 8.4828

Details

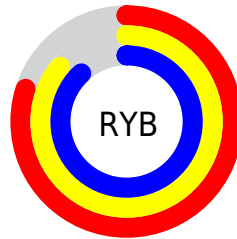
The XYZ color **63.3117, 71.2501, 72.0438** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9342, 63.7310, 74.5279**, and the grayscale version is **65.8591, 69.2889, 75.4556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8550, 37.5733, 37.4190** is the 20% darker color. If you saturate the color by 10%, you get **55.9075, 67.6334, 62.7404**, and if you desaturate by 10%, it is **71.7692, 75.3953, 82.2343**.

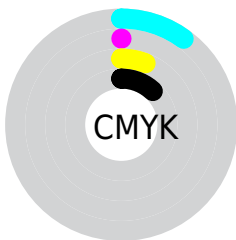
Distribution



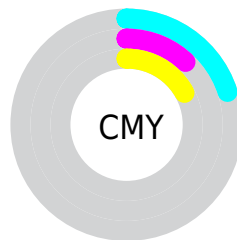
- Red (80%)
- Green (88%)
- Blue (83%)



- Red (80%)
- Yellow (86%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3117, 71.2501, 72.0438 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 63.3117, 71.2501, 72.0438 by changing the saturation by 10% instead.

63.3117, 71.2501,
72.0438

63.3117, 71.2501,
72.0438

426.3415,
464.9272, 486.6757

46.3530, 52.5463,
52.7074

108.6984,
120.9898, 123.8271

32.7303, 37.4407,
37.1831

137.8571,
152.7945, 157.1111

22.0781, 25.5489,
25.0524

171.8131,
189.7349, 195.8813

14.0313, 16.4865,
15.8967

210.9319,
232.1955, 240.5564

8.2243, 9.8691,
9.2975

255.5788,
280.5606, 291.5548

4.2918, 5.3122,
4.8363

306.1191,

1.8685, 2.4316,

335.2147, 349.2952

2.0945

362.9183,
396.5421, 414.1959

■ 0.5584, 0.8421,
0.6125

■ 0.0000, 0.0000,
0.0000

■ 63.3117, 71.2501,
72.0438

■ 63.3117, 71.2501,
72.0438

■ 55.9075, 67.6334,
62.7404

■ 71.7692, 75.3953,
82.2343

■ 49.5082, 64.5147,
54.2958

■ 81.3138, 80.0800,
93.3301

■ 44.0708, 61.8744,
46.6868

■ 86.0497, 82.2664,
105.0766

■ 39.5463, 59.6877,
39.8876

■ 86.2166, 82.3332,
105.9555

■ 35.8815, 57.9278,
33.8709

■ 33.0174, 56.5649,
28.6080

■ 30.8871, 55.5649,
24.0681

■ 29.4117, 54.8880,
20.2182

■ 28.4605, 54.4675,
17.0208

Harmonies

Analogous

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



64.8484, 71.2501, 66.7567



63.3117, 71.2501, 72.0438



62.9431, 71.2501, 79.1332

Triad

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



63.3117, 71.2501, 72.0438



68.2615, 71.2501, 92.4595



71.7688, 71.2501, 69.5286

Complementary

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



63.3117, 71.2501, 72.0438



64.9342, 63.7310, 74.5279

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.



72.7350, 71.2501, 76.0458



63.3117, 71.2501, 72.0438



70.6774, 71.2501, 89.5125

Square

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



63.3117, 71.2501, 72.0438



65.7596, 71.2501, 91.2215



72.3306, 71.2501, 83.3912



69.7212, 71.2501, 65.3698

Rectangle

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



63.3117, 71.2501, 72.0438



63.4009, 71.2501, 83.9937



72.3306, 71.2501, 83.3912



72.2332, 71.2501, 71.5000

Sweetspot

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



63.3137, 71.2531, 72.0454



91.5173, 98.2682, 104.6948



66.4119, 72.9634, 67.0839



19.3911, 20.9367, 22.1724



0.0000, 0.0000, 0.0000



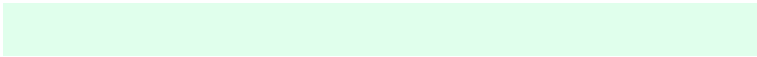
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3137, 71.2531, 72.0454



81.6961, 93.4599, 92.7298



64.7008, 71.8080, 79.3500



13.7337, 15.4192, 15.6330



16.4402, 31.4009, 10.0409



1.1815, 2.1933, 0.9170

Inverse Universe

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



64.9342, 63.7310, 74.5279



84.3133, 81.3106, 96.7386



63.5865, 63.1919, 67.4310



14.0725, 13.8466, 16.1520



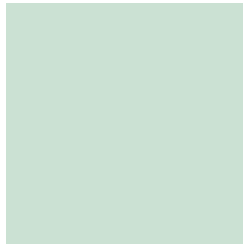
20.8166, 10.3936, 16.2316



1.4854, 0.7374, 1.3490

Previews

White Background



This preview shows how the XYZ color 63.3117, 71.2501, 72.0438 looks on a white background.

Color Contrast Check

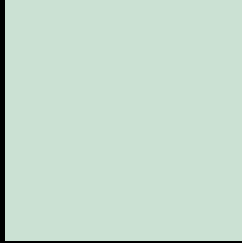
Large Text (above 18pt) WCAG AA × Fail

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 63.3117, 71.2501, 72.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

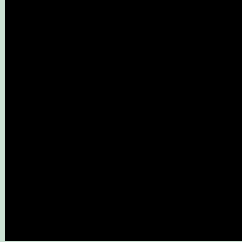
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

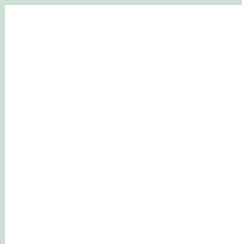
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3117, 71.2501, 72.0438

Background



This preview shows how black text looks on a background with the XYZ color 63.3117, 71.2501, 72.0438.



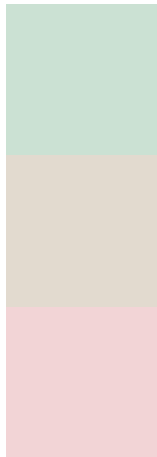
This preview shows how white text looks on a background with the XYZ color 63.3117, 71.2501,

72.0438.

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

63.3117, 71.2501, 72.0438

Protanopia

67.6979, 70.8166, 69.1324

Deuteranopia

72.2990, 70.8193, 73.4772



Tritanopia

67.3015, 71.2958, 91.1032

Trichromacy



Original Color

63.3117, 71.2501, 72.0438

Protanomaly

66.1551, 71.1724, 69.9254

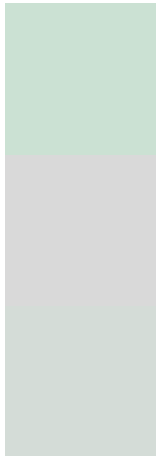
Deuteranomaly

68.8180, 70.9238, 73.0134

Tritanomaly

65.5785, 70.9658, 83.6402

Monochromacy



Original Color

63.3117, 71.2501, 72.0438

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.0103, 70.0897, 74.3922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3117, 71.2501, 72.0438 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(203, 225, 211)` looks like.

```
.text, #text, p{  
    color:rgb(203, 225, 211)  
}
```

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(203, 225, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 225, 211) }
```

Border

The CSS property to change the border of an element to XYZ 63.3117, 71.2501, 72.0438 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(203, 225, 211) }
```


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

```
.border{ border-color:rgb(203, 225, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 225, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 225, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 225, 211);  
box-shadow:4px 4px 4px 4px rgb(203, 225,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3117, 71.2501, 72.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 225, 211) }
```

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

```
.background{ background-color: rgb(203,  
225, 211) }
```

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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