

Converting Colors

XYZ(63.0187, 72.4548, 42.7466)

Have a look what the booklet for
XYZ(63.0187, 72.4548, 42.7466)
contains.

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Color

**XYZ(63.0701, 72.5881,
42.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE39D
RGB	220, 227, 157
RGB Percent	86%, 89%, 62%
CMY	0.1373, 0.1098, 0.3843
CMYK	0.03, 0.00, 0.31, 0.11
HSL	66°, 56%, 75%
HSV	66°, 31%, 89%
XYZ	63.0701, 72.5881, 42.5851
YIQ	216.9270, 18.2980, -23.2540

Conversions

Conversions Part 2

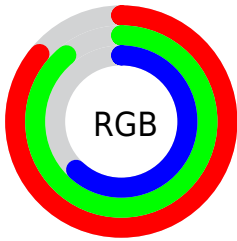
Format	Color
RYB	157, 227, 164
Decimal	14476189
CIELab	88.25, -13.24, 33.48
CIELCh	88, 36.006, 111.583
Yxy	72.5881, 0.3538, 0.4072
Android (android.graphics.Color)	4292666269 (0xFFDCE39D)
YUV	216.9270, -29.5440, 2.6950
Hunter-Lab	85.1987, -16.9592, 30.0040

Details

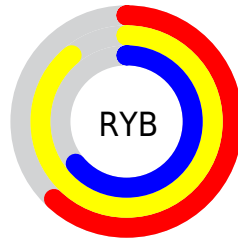
The XYZ color **63.0701, 72.5881, 42.5851** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.2347, 37.5544, 77.7525**, and the grayscale version is **66.0922, 69.5341, 75.7226**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **32.6122, 38.4175, 19.0611** is the 20% darker color. If you saturate the color by 10%, you get **60.6272, 71.5345, 33.2769**, and if you desaturate by 10%, it is **65.8862, 73.7970, 53.7932**.

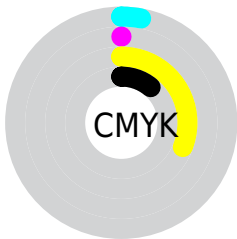
Distribution



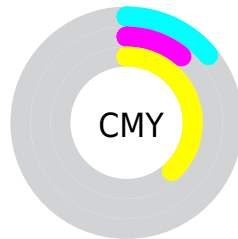
- Red (86%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0701, 72.5881, 42.5851 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 63.0701, 72.5881, 42.5851 by changing the saturation by 10% instead.

63.0701, 72.5881,
42.5851

63.0701, 72.5881,
42.5851

425.4795,
469.5860, 372.7737

46.1568, 53.6392,
29.2307

108.3519,
122.8923, 80.3640

32.5747, 38.3133,
19.0084

137.4511,
155.0164, 105.6256

21.9585, 26.2259,
11.4994

171.3429,
192.3010, 135.6934

13.9429, 16.9927,
6.2854

210.3927,
235.1306, 170.9859

8.1624, 10.2293,
2.9478

254.9660,
283.8895, 211.9216

4.2517, 5.5513,
1.0681

305.4279,

1.8455, 2.5742,

338.9621, 258.9191

0.0000

362.1440,
400.7328, 312.3970

■ 0.5449, 0.9137,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0701, 72.5881,
42.5851

■ 63.0701, 72.5881,
42.5851

■ 60.6272, 71.5345,
33.2769

■ 65.8862, 73.7970,
53.7932

■ 58.5318, 70.6186,
25.7589


■ 69.0884, 75.1590,
66.9937


■ 56.7640, 69.8347,
19.9170


■ 72.6958, 76.6841,
82.2786


■ 55.2992, 69.1731,
15.6224

■ 76.7245, 78.3788,
99.7329


 54.1092, 68.6225,
12.7275


 78.5915, 79.2099,
105.7546


 53.1607, 68.1695,
11.0559

 79.3311, 79.5912,
105.7892

 52.4518, 67.8195,
10.3260

 80.0802, 79.9773,
105.8242

 80.8389, 80.3685,
105.8597

 81.6072, 80.7645,
105.8957

Harmonies

Analogous

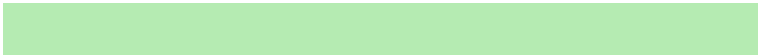
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4490, 72.5881, 40.7458



63.0701, 72.5881, 42.5851



56.7971, 72.5881, 53.0434

Triad

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



63.0701, 72.5881, 42.5851



59.1919, 72.5881, 122.3978



86.7339, 72.5881, 86.1944

Complementary

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



63.0701, 72.5881, 42.5851



41.2347, 37.5544, 77.7525

Split Complementary

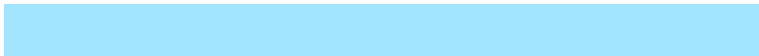
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8201, 72.5881, 112.3764



63.0701, 72.5881, 42.5851



66.5936, 72.5881, 135.9483

Square

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



63.0701, 72.5881, 42.5851



54.6914, 72.5881, 97.8274



75.2752, 72.5881, 131.9417



85.5925, 72.5881, 62.8198

Rectangle

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



63.0701, 72.5881, 42.5851



54.4233, 72.5881, 64.9599



75.2752, 72.5881, 131.9417



85.9548, 72.5881, 95.0117

Sweetspot

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



63.0719, 72.5913, 42.5866



90.7327, 98.1761, 90.5489



51.0423, 45.3181, 37.9564



19.2800, 20.9542, 18.7918



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.



63.0719, 72.5913, 42.5866



80.0135, 93.5939, 47.4049



53.5651, 67.6904, 42.1417



15.4520, 16.7401, 15.3212



30.6450, 39.5796, 6.0245



2.3059, 2.9461, 0.4471

Inverse Universe

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



41.2347, 37.5544, 77.7525



47.3312, 41.1438, 100.0547



49.4776, 41.8038, 78.1383



13.7160, 13.9558, 18.1152



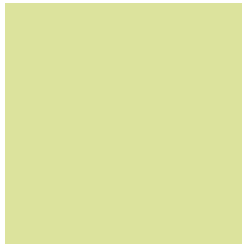
8.3331, 3.3618, 42.5929



0.6614, 0.2719, 3.1496

Previews

White Background



This preview shows how the XYZ color 63.0701, 72.5881, 42.5851 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 63.0701, 72.5881, 42.5851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

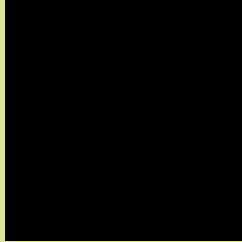
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

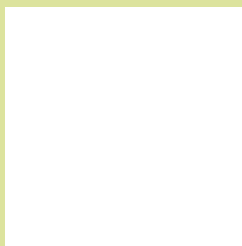
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0701, 72.5881, 42.5851

Background



This preview shows how black text looks on a background with the XYZ color 63.0701, 72.5881, 42.5851.



This preview shows how white text looks on a background with the XYZ color 63.0701, 72.5881,

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

63.0701, 72.5881, 42.5851

Protanopia

67.2858, 72.3967, 40.9995

Deuteranopia

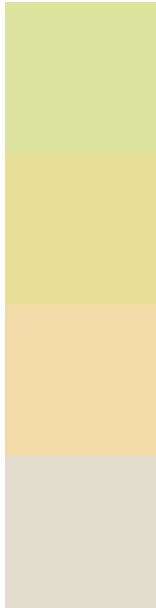
72.9265, 72.4091, 50.1771



Tritanopia

72.2973, 72.3892, 88.0039

Trichromacy



Original Color

63.0701, 72.5881, 42.5851

Protanomaly

65.5828, 72.2977, 41.5086

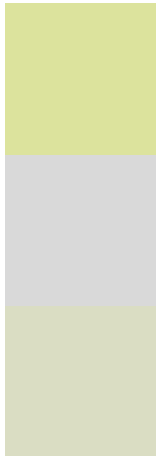
Deuteranomaly

69.0174, 72.3674, 47.3765

Tritanomaly

68.3611, 72.3379, 68.7521

Monochromacy



Original Color

63.0701, 72.5881, 42.5851

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.6202, 70.5585, 61.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0701, 72.5881, 42.5851 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(220, 227, 157)` looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 157)  
}
```

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(220, 227, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 157) }
```

Border

The CSS property to change the border of an element to XYZ 63.0701, 72.5881, 42.5851 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(220, 227, 157) }
```


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

```
.border{ border-color:rgb(220, 227, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 227, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 157);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0701, 72.5881, 42.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 157) }
```

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

```
.background{ background-color: rgb(220,  
227, 157) }
```

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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