

Converting Colors

XYZ(63.6388, 72.6814, 66.4717)

Have a look what the booklet for
XYZ(63.6388, 72.6814, 66.4717)
contains.

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Color

**XYZ(63.5809, 72.7302,
66.5644)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE4CA
RGB	205, 228, 202
RGB Percent	80%, 89%, 79%
CMY	0.1961, 0.1059, 0.2078
CMYK	0.10, 0.00, 0.11, 0.11
HSL	113°, 33%, 84%
HSV	113°, 11%, 89%
XYZ	63.5809, 72.7302, 66.5644
YIQ	218.1590, -5.3620, -12.9620

Conversions

Conversions Part 2

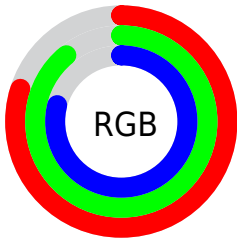
Format	Color
R_{YB}	202, 228, 225
Decimal	13493450
CIE Lab	88.32, -12.36, 10.12
CIE LCh	88, 15.976, 140.706
Yxy	72.7302, 0.3134, 0.3585
Android (android.graphics.Color)	4291683530 (0xFFCDE4CA)
YUV	218.1590, -7.9664, -11.5404
Hunter-Lab	85.2820, -16.1651, 13.4203

Details

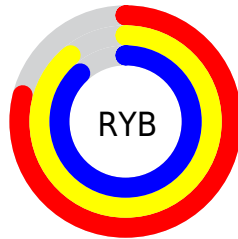
The XYZ color **63.5809, 72.7302, 66.5644** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.1784, 63.8521, 82.2393**, and the grayscale version is **66.8078, 70.2870, 76.5425**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0514, 38.6046, 33.7264** is the 20% darker color. If you saturate the color by 10%, you get **55.8687, 69.0457, 53.1372**, and if you desaturate by 10%, it is **72.4134, 76.9503, 82.1291**.

Distribution



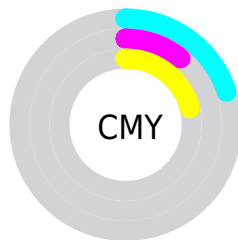
- Red (80%)
- Green (89%)
- Blue (79%)



- Red (79%)
- Yellow (89%)
- Blue (88%)



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



- Cyan (20%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5809, 72.7302, 66.5644 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 63.5809, 72.7302, 66.5644 by changing the saturation by 10% instead.

■ 63.5809, 72.7302,
66.5644

■ 63.5809, 72.7302,
66.5644

427.3009,
470.0792, 466.8519

■ 46.5717, 53.7554,
48.2713

109.0843,
123.0941, 115.9307

■ 32.9037, 38.4061,
33.6803

138.3091,
155.2520, 147.8411

■ 22.2116, 26.2980,
22.3727

172.3367,
192.5730, 185.1276

■ 14.1299, 17.0467,
13.9301

211.5321,
235.4416, 228.2089

■ 8.2934, 10.2678,
7.9339

256.2609,
284.2421, 277.5034

■ 4.3366, 5.5769,
3.9655

306.8884,

■ 1.8943, 2.5896,

339.3590, 333.4297

1.6064

363.7799,
401.1765, 396.4063

■ 0.5735, 0.9214,
0.2954

■ 0.0000, 0.0000,
0.0000

■ 63.5809, 72.7302,
66.5644

■ 63.5809, 72.7302,
66.5644

■ 55.8687, 69.0457,
53.1372

■ 72.4134, 76.9503,
82.1291

■ 49.2260, 65.8665,
41.7497

■ 82.4023, 81.7164,
99.9140

■ 43.6074, 63.1732,
32.3037

■ 87.0348, 83.9696,
106.2283

■ 38.9614, 60.9418,
24.6906

■ 35.2324, 59.1462,
18.7918

■ 32.3589, 57.7574,
14.4741

■ 30.2718, 56.7432,
11.5851

■ 28.8907, 56.0662,
9.9424

■ 28.1785, 55.7132,
9.2686

Harmonies

Analogous

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



66.5553, 72.7302, 61.0463



63.5809, 72.7302, 66.5644



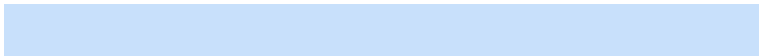
62.1083, 72.7302, 75.8314

Triad

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



63.5809, 72.7302, 66.5644



67.9447, 72.7302, 101.8948



76.2518, 72.7302, 71.9616

Complementary

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



63.5809, 72.7302, 66.5644



66.1784, 63.8521, 82.2393

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.



76.6574, 72.7302, 82.6481



63.5809, 72.7302, 66.5644



71.7659, 72.7302, 100.6155

Square

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



63.5809, 72.7302, 66.5644



64.5657, 72.7302, 96.6702



74.9884, 72.7302, 93.3208



73.9000, 72.7302, 63.9567

Rectangle

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



63.5809, 72.7302, 66.5644



62.1377, 72.7302, 83.1759



74.9884, 72.7302, 93.3208



76.6236, 72.7302, 75.3351

Sweetspot

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



63.5829, 72.7333, 66.5660



91.3964, 98.2560, 102.4273



69.5749, 74.5942, 66.6094



19.3585, 20.9334, 21.5628



0.0000, 0.0000, 0.0000



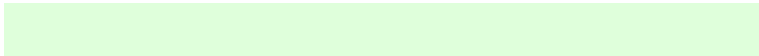
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5829, 72.7333, 66.5660



79.1461, 92.4047, 80.8895



63.9823, 72.7984, 72.9466



14.3429, 16.1683, 15.2693



16.3207, 32.1951, 5.3541



1.2575, 2.4056, 0.3981

Inverse Universe

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



66.1784, 63.8521, 82.2393



83.2010, 78.5270, 105.3798



65.7773, 63.8006, 75.2031



14.8228, 14.5264, 18.1670



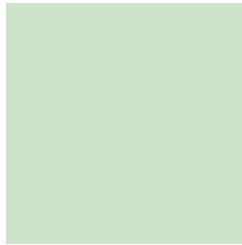
22.1691, 10.4945, 43.2404



1.6849, 0.7996, 3.1975

Previews

White Background



This preview shows how the XYZ color 63.5809, 72.7302, 66.5644 looks on a white background.

Color Contrast Check

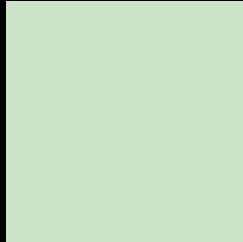
Large Text (above 18pt) WCAG AA × Fail

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 63.5809, 72.7302, 66.5644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

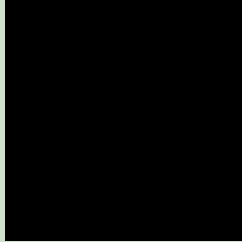
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

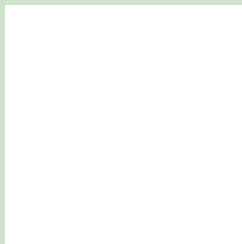
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5809, 72.7302, 66.5644

Background



This preview shows how black text looks on a background with the XYZ color 63.5809, 72.7302, 66.5644.



This preview shows how white text looks on a background with the XYZ color 63.5809, 72.7302,

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

63.5809, 72.7302, 66.5644

Protanopia

69.0045, 72.7790, 63.8369

Deuteranopia

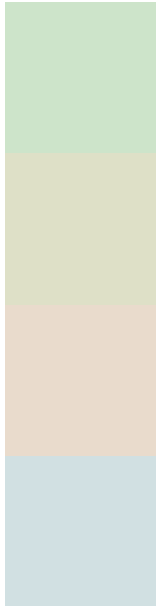
74.1329, 72.6406, 67.8714



Tritanopia

68.7134, 72.3827, 92.7877

Trichromacy



Original Color

63.5809, 72.7302, 66.5644

Protanomaly

67.0887, 72.9644, 64.5804

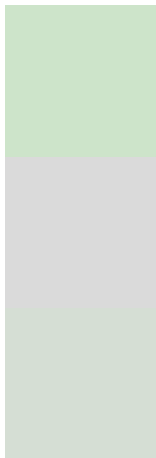
Deuteranomaly

69.8349, 72.3463, 67.4103

Tritanomaly

66.6776, 72.3576, 82.4036

Monochromacy



Original Color

63.5809, 72.7302, 66.5644

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4455, 71.1422, 72.5698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5809, 72.7302, 66.5644 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, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 202)  
}
```

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, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 202) }
```

Border

The CSS property to change the border of an element to XYZ 63.5809, 72.7302, 66.5644 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, 228, 202) }
```


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

```
.border{ border-color:rgb(205, 228, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5809, 72.7302, 66.5644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 202) }
```

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

```
.background{ background-color: rgb(205,  
228, 202) }
```

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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