

Converting Colors

XYZ(63.4883, 72.2178, 68.5318)

Have a look what the booklet for
XYZ(63.4883, 72.2178, 68.5318)
contains.

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Color

**XYZ(63.3904, 72.1833,
68.3494)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3CD
RGB	204, 227, 205
RGB Percent	80%, 89%, 80%
CMY	0.2000, 0.1098, 0.1961
CMYK	0.10, 0.00, 0.10, 0.11
HSL	123°, 29%, 85%
HSV	123°, 10%, 89%
XYZ	63.3904, 72.1833, 68.3494
YIQ	217.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

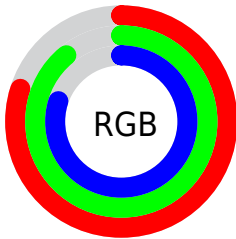
Format	Color
R_{YB}	204, 226, 227
Decimal	13427661
CIE Lab	88.06, -11.67, 8.16
CIE LCh	88, 14.242, 145.034
Yxy	72.1833, 0.3109, 0.3540
Android (android.graphics.Color)	4291617741 (0xFFCCE3CD)
YUV	217.6150, -6.2192, -11.9404
Hunter-Lab	84.9608, -15.5000, 11.7748

Details

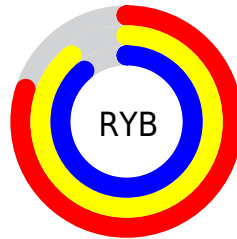
The XYZ color **63.3904, 72.1833, 68.3494** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0015, 65.0094, 80.9716**, and the grayscale version is **66.4219, 69.8810, 76.1004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9161, 38.2234, 34.9212** is the 20% darker color. If you saturate the color by 10%, you get **55.1745, 68.2320, 55.2194**, and if you desaturate by 10%, it is **72.8810, 76.7538, 83.4408**.

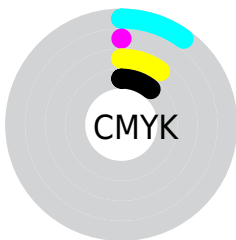
Distribution



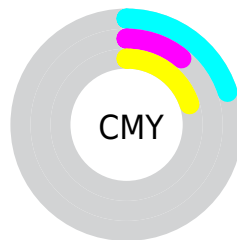
- Red (80%)
- Green (89%)
- Blue (80%)



- 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 63.3904, 72.1833, 68.3494 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 63.3904, 72.1833, 68.3494 by changing the saturation by 10% instead.

■ 63.3904, 72.1833,
68.3494

■ 63.3904, 72.1833,
68.3494

426.6221,
468.1794, 473.3646

■ 46.4169, 53.3084,
49.7136

108.8112,
122.3171, 118.5108

■ 32.7810, 38.0490,
34.8163

137.9892,
154.3448, 150.8734

■ 22.1171, 26.0208,
23.2390

171.9662,
191.5256, 188.6487

■ 14.0601, 16.8392,
14.5631

211.1074,
234.2438, 232.2553

■ 8.2444, 10.1199,
8.3701

255.7783,
282.8839, 282.1116

■ 4.3049, 5.4785,
4.2415

306.3441,

■ 1.8760, 2.5307,

337.8303, 338.6363

1.7588

363.1703,
399.4673, 402.2477

■ 0.5628, 0.8919,
0.4005

■ 0.0000, 0.0000,
0.0000

■ 63.3904, 72.1833,
68.3494

■ 63.3904, 72.1833,
68.3494

■ 55.1745, 68.2320,
55.2194

■ 72.8810, 76.7538,
83.4408

■ 48.1733, 64.8646,
43.9658

■ 83.6909, 81.9587,
100.5646

■ 42.3310, 62.0562,
34.5044

■ 86.7605, 83.4209,
106.1368

■ 37.5850, 59.7764,
26.7428

■ 33.8670, 57.9923,
20.5802

■ 31.1008, 56.6668,
15.9053

■ 29.1998, 55.7582,
12.5925

■ 28.0614, 55.2165,
10.4956

■ 27.5245, 54.9626,
9.4416

Harmonies

Analogous

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



65.8795, 72.1833, 62.8271



63.3904, 72.1833, 68.3494



62.3009, 72.1833, 76.9863

Triad

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



63.3904, 72.1833, 68.3494



68.0439, 72.1833, 98.7558



74.7016, 72.1833, 70.9380

Complementary

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



63.3904, 72.1833, 68.3494



67.0015, 65.0094, 80.9716

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.



75.3272, 72.1833, 80.2266



63.3904, 72.1833, 68.3494



71.4110, 72.1833, 96.8031

Square

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



63.3904, 72.1833, 68.3494



64.9304, 72.1833, 94.9535



74.1045, 72.1833, 89.8172



72.4220, 72.1833, 64.2329

Rectangle

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



63.3904, 72.1833, 68.3494



62.4879, 72.1833, 83.5512



74.1045, 72.1833, 89.8172



75.1154, 72.1833, 73.8394

Sweetspot

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



63.3924, 72.1864, 68.3510



91.1354, 98.1155, 102.6838



69.8085, 75.5079, 68.0229



19.2884, 20.8957, 21.6316



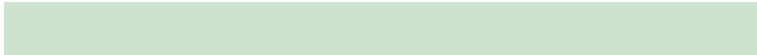
0.0000, 0.0000, 0.0000



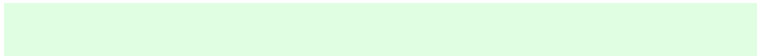
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3924, 72.1864, 68.3510



80.3151, 92.9075, 85.4577



64.8023, 72.7504, 75.7757



14.2146, 16.0993, 15.3949



16.0626, 32.0571, 5.5640



1.1960, 2.3725, 0.4586

Inverse Universe

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



67.0015, 65.0094, 80.9716



85.8398, 81.9212, 104.7767



65.5053, 64.4109, 73.0927



14.9666, 14.6038, 18.0246



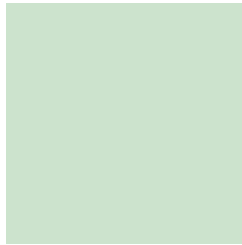
25.8008, 12.4545, 39.4415



1.9150, 0.9237, 2.9591

Previews

White Background



This preview shows how the XYZ color 63.3904, 72.1833, 68.3494 looks on a white background.

Color Contrast Check

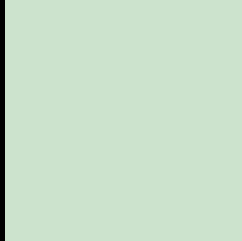
Large Text (above 18pt) WCAG AA × Fail

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 63.3904, 72.1833, 68.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

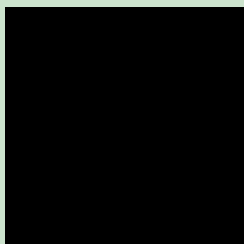
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

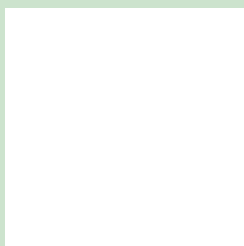
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3904, 72.1833, 68.3494

Background



This preview shows how black text looks on a background with the XYZ color 63.3904, 72.1833, 68.3494.



This preview shows how white text looks on a background with the XYZ color 63.3904, 72.1833,

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

63.3904, 72.1833, 68.3494

Protanopia

68.4489, 72.0615, 65.5599

Deuteranopia

73.5372, 71.9167, 69.6800



Tritanopia

68.4278, 72.2355, 92.7744

Trichromacy



Original Color

63.3904, 72.1833, 68.3494

Protanomaly

66.5635, 72.2553, 66.3155

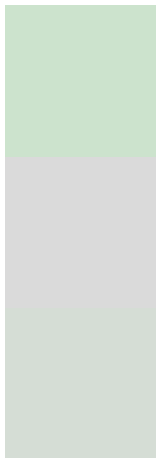
Deuteranomaly

69.2889, 71.6367, 69.2068

Tritanomaly

66.5332, 72.2673, 83.1153

Monochromacy



Original Color

63.3904, 72.1833, 68.3494

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 63.3904, 72.1833, 68.3494 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 205) }
```

Border

The CSS property to change the border of an element to XYZ 63.3904, 72.1833, 68.3494 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, 205) }
```


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

```
.border{ border-color:rgb(204, 227, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3904, 72.1833, 68.3494 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, 205) }
```

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

```
.background{ background-color: rgb(204,  
227, 205) }
```

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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