

Converting Colors

XYZ(70.4638, 72.1886, 72.2888)

Have a look what the booklet for
XYZ(70.4638, 72.1886, 72.2888)
contains.

XYZ(70.5593, 72.2199, 72.5083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.5593, 72.2199,
72.5083)**

Conversions

Conversions Part 1

Format	Color
Hex	E9DAD4
RGB	233, 218, 212
RGB Percent	91%, 85%, 83%
CMY	0.0863, 0.1451, 0.1686
CMYK	0.00, 0.06, 0.09, 0.09
HSL	17°, 32%, 87%
HSV	17°, 9%, 91%
XYZ	70.5593, 72.2199, 72.5083
YIQ	221.8010, 10.8660, 1.3140

Conversions

Conversions Part 2

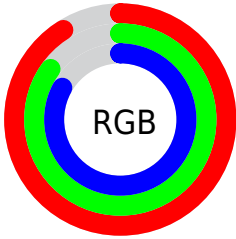
Format	Color
R _Y B	233, 220, 212
Decimal	15325908
CIE Lab	88.07, 4.14, 4.79
CIE LCh	88, 6.327, 49.168
Yxy	72.2199, 0.3277, 0.3355
Android (android.graphics.Color)	4293515988 (0xFFE9DAD4)
YUV	221.8010, -4.8319, 9.8215
Hunter-Lab	84.9823, -0.5136, 8.9004

Details

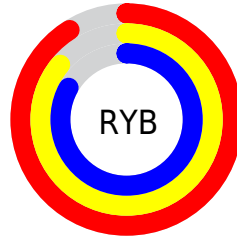
The XYZ color **70.5593, 72.2199, 72.5083** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3282, 74.8170, 87.8786**, and the grayscale version is **69.3201, 72.9301, 79.4209**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3145, 37.9758, 37.2617** is the 20% darker color. If you saturate the color by 10%, you get **63.7299, 62.9298, 56.7621**, and if you desaturate by 10%, it is **78.2501, 82.5523, 90.6359**.

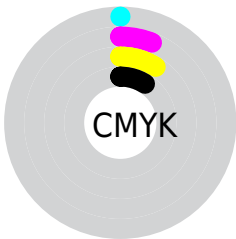
Distribution



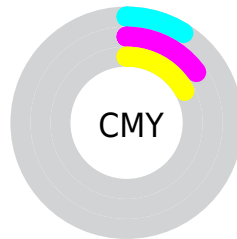
- Red (91%)
- Green (85%)
- Blue (83%)



- Red (91%)
- Yellow (86%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5593, 72.2199, 72.5083 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 70.5593, 72.2199, 72.5083 by changing the saturation by 10% instead.

70.5593, 72.2199,
72.5083

70.5593, 72.2199,
72.5083

451.7472,
468.3066, 488.3339

52.2639, 53.3383,
53.0846

119.0279,
122.3691, 124.4934

37.4406, 38.0729,
37.4821

149.9319,
154.4056, 157.8918

25.7240, 26.0393,
25.2823

185.7693,
191.5957, 196.7857

16.7489, 16.8530,
16.0666

226.9057,
234.3241, 241.5934

10.1498, 10.1298,
9.4164

273.7063,
282.9749, 292.7335

5.5614, 5.4851,
4.9133

326.5365,

2.6184, 2.5346,

337.9327, 350.6246

2.1386

385.7617,
399.5818, 415.6852

■ 0.9553, 0.8939,
0.6386

■ 0.0000, 0.0000,
0.0000

■ 70.5593, 72.2199,
72.5083

■ 70.5593, 72.2199,
72.5083

■ 63.7299, 62.9298,
56.7621

■ 78.2501, 82.5523,
90.6359

■ 57.7251, 54.6398,
43.2932

■ 86.2399, 93.7145,
108.1511

■ 52.5141, 47.3187,
31.9967

■ 87.4146, 96.0638,
108.5427

■ 48.0621, 40.9302,
22.7574

■ 44.3311, 35.4354,
15.4495

■ 41.2801, 30.7928,
9.9332

■ 38.8630, 26.9569,
6.0497

■ 37.0272, 23.8779,
3.6114

■ 35.7002, 21.4948,
2.3334

Harmonies

Analogous

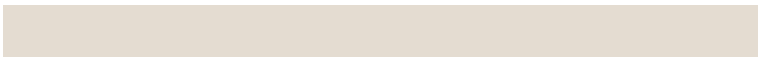
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4228, 72.2199, 75.9357



70.5593, 72.2199, 72.5083



69.1901, 72.2199, 70.7455

Triad

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



70.5593, 72.2199, 72.5083



65.8297, 72.2199, 77.0825



69.6009, 72.2199, 86.7561

Complementary

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



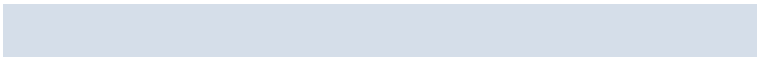
70.5593, 72.2199, 72.5083



69.3282, 74.8170, 87.8786

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.



68.0985, 72.2199, 87.0906



70.5593, 72.2199, 72.5083



65.9360, 72.2199, 81.3979

Square

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



70.5593, 72.2199, 72.5083



66.4688, 72.2199, 73.3213



66.7614, 72.2199, 85.0979



70.8638, 72.2199, 84.1998

Rectangle

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



70.5593, 72.2199, 72.5083



68.1811, 72.2199, 70.7065



66.7614, 72.2199, 85.0979



69.1066, 72.2199, 87.1355

Sweetspot

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



70.5613, 72.2231, 72.5098



92.1246, 96.0810, 101.9691



71.0206, 69.9604, 82.4706



19.5546, 20.3454, 21.4390



0.0000, 0.0000, 0.0000



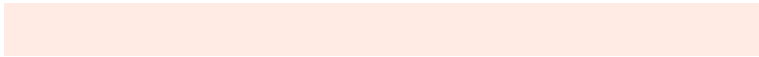
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5613, 72.2231, 72.5098



84.7980, 86.2028, 84.8063



73.3561, 77.8127, 73.4414



15.4162, 15.7554, 15.7473



20.2853, 12.2649, 1.2982



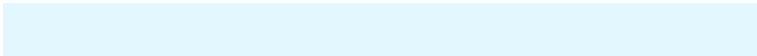
1.6725, 1.1224, 0.1285

Inverse Universe

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



69.3282, 74.8170, 87.8786



82.9674, 90.0521, 107.6167



66.5573, 69.2753, 86.9550



15.1327, 16.3518, 19.2809



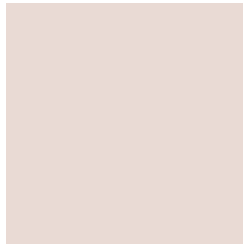
16.2334, 19.1139, 46.5767



1.3561, 1.6637, 3.6845

Previews

White Background



This preview shows how the XYZ color 70.5593, 72.2199, 72.5083 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 70.5593, 72.2199, 72.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

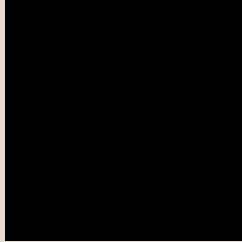
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

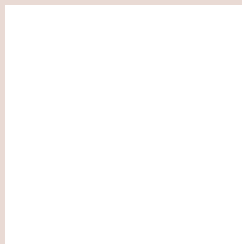
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5593, 72.2199, 72.5083

Background



This preview shows how black text looks on a background with the XYZ color 70.5593, 72.2199, 72.5083.

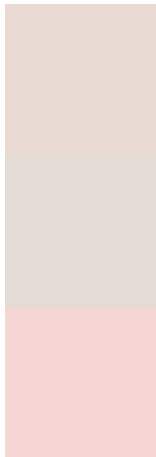


This preview shows how white text looks on a background with the XYZ color 70.5593, 72.2199,

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

70.5593, 72.2199, 72.5083

Protanopia

69.2820, 72.3214, 73.2587

Deuteranopia

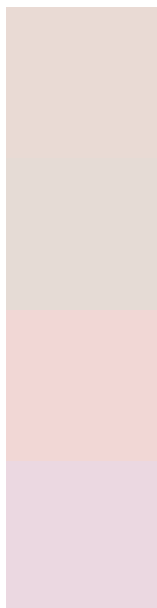
73.7130, 72.3097, 73.0229



Tritanopia

73.4580, 72.2599, 86.4198

Trichromacy



Original Color

70.5593, 72.2199, 72.5083

Protanomaly

69.6549, 72.1251, 73.2011

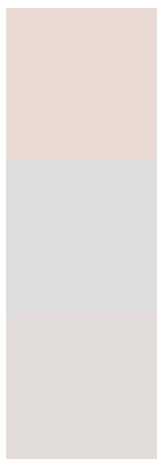
Deuteranomaly

72.5863, 72.1057, 73.0429

Tritanomaly

72.4074, 72.2101, 81.3558

Monochromacy



Original Color

70.5593, 72.2199, 72.5083

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.8754, 72.9436, 76.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5593, 72.2199, 72.5083 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(233, 218, 212) looks like.

```
.text, #text, p{  
    color:rgb(233, 218, 212)  
}
```

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(233, 218, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 218, 212) }
```

Border

The CSS property to change the border of an element to XYZ 70.5593, 72.2199, 72.5083 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(233, 218, 212) }
```


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

```
.border{ border-color:rgb(233, 218, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 218, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 218, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 218, 212);  
box-shadow:4px 4px 4px 4px rgb(233, 218,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5593, 72.2199, 72.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 218, 212) }
```

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

```
.background{ background-color: rgb(233,  
218, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor