

Converting Colors

XYZ(68.9971, 72.3541, 71.3028)

Have a look what the booklet for
XYZ(68.9971, 72.3541, 71.3028)
contains.

XYZ(68.9046, 72.1704, 71.2714)	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(68.9046, 72.1704,
71.2714)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DCD2
RGB	227, 220, 210
RGB Percent	89%, 86%, 82%
CMY	0.1098, 0.1372, 0.1765
CMYK	0.00, 0.03, 0.07, 0.11
HSL	35°, 23%, 86%
HSV	35°, 7%, 89%
XYZ	68.9046, 72.1704, 71.2714
YIQ	220.9530, 7.3820, -1.6260

Conversions

Conversions Part 2

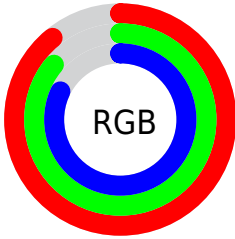
Format	Color
R _Y B	222, 227, 210
Decimal	14933202
CIE Lab	88.05, 0.67, 5.74
CIE LCh	88, 5.784, 83.328
Yxy	72.1704, 0.3245, 0.3399
Android (android.graphics.Color)	4293123282 (0xFFE3DCD2)
YUV	220.9530, -5.3998, 5.3032
Hunter-Lab	84.9532, -3.8886, 9.7259

Details

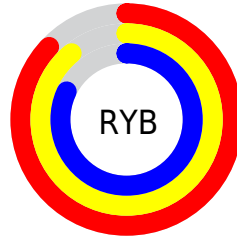
The XYZ color **68.9046, 72.1704, 71.2714** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2563, 68.8723, 82.5282**, and the grayscale version is **68.7290, 72.3083, 78.7437**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4691, 38.0812, 36.8808** is the 20% darker color. If you saturate the color by 10%, you get **63.8917, 66.3535, 56.6232**, and if you desaturate by 10%, it is **74.4598, 78.4281, 88.0813**.

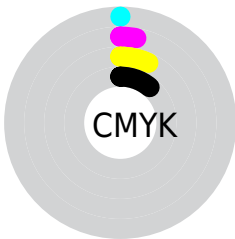
Distribution



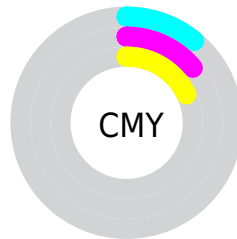
- Red (89%)
- Green (86%)
- Blue (82%)



- Red (87%)
- Yellow (89%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (11%)



- Cyan (11%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9046, 72.1704, 71.2714 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 68.9046, 72.1704, 71.2714 by changing the saturation by 10% instead.

68.9046, 72.1704,
71.2714

68.9046, 72.1704,
71.2714

446.0211,
468.1345, 483.9108

50.9104, 53.2979,
52.0805

116.6801,
122.2988, 122.7181

36.3580, 38.0406,
36.6866

147.1921,
154.3234, 155.8111

24.8822, 26.0142,
24.6710

182.6074,
191.5009, 194.3751

16.1176, 16.8343,
15.6153

223.2914,
234.2156, 238.8288

9.6988, 10.1164,
9.1010

269.6094,
282.8519, 289.5907

5.2604, 5.4762,
4.7094

321.9268,

2.4372, 2.5293,

337.7942, 347.0793

2.0220

380.6089,
399.4269, 411.7132

■ 0.8637, 0.8913,
0.5688

■ 0.0000, 0.0000,
0.0000

■ 68.9046, 72.1704,
71.2714

■ 68.9046, 72.1704,
71.2714

■ 63.8917, 66.3535,
56.6232

■ 74.4598, 78.4281,
88.0813

■ 59.3960, 60.9568,
44.0427

■ 80.5044, 85.1020,
106.7910

■ 55.3993, 55.9718,
33.4361

■ 83.3057, 90.7046,
107.7248

■ 51.8799, 51.3860,
24.7003

■ 85.4889, 95.0711,
108.4525

■ 48.8140, 47.1861,
17.7227

■ 46.1757, 43.3578,
12.3786

■ 43.9359, 39.8853,
8.5266

■ 42.0604, 36.7509,
6.0007

■ 40.5045, 33.9323,
4.5785

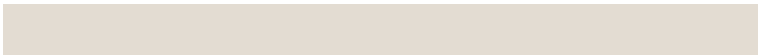
Harmonies

Analogous

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



70.1930, 72.1704, 72.6414



68.9046, 72.1704, 71.2714



67.5502, 72.1704, 71.8067

Triad

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



68.9046, 72.1704, 71.2714



66.1876, 72.1704, 81.6297



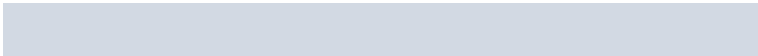
70.7465, 72.1704, 83.2085

Complementary

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



68.9046, 72.1704, 71.2714



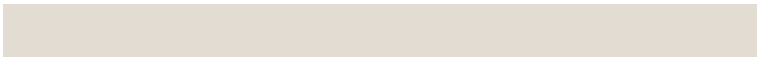
65.2563, 68.8723, 82.5282

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.



69.6521, 72.1704, 85.7692



68.9046, 72.1704, 71.2714



67.0230, 72.1704, 84.8364

Square

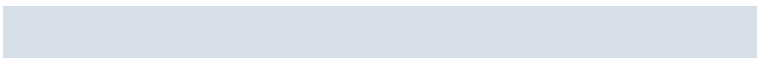
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9046, 72.1704, 71.2714



65.9935, 72.1704, 77.7015



68.2879, 72.1704, 86.3747



71.2656, 72.1704, 79.4677

Rectangle

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



68.9046, 72.1704, 71.2714



66.7908, 72.1704, 73.1811



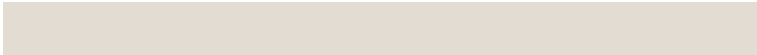
68.2879, 72.1704, 86.3747



70.4330, 72.1704, 84.2409

Sweetspot

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



68.9066, 72.1736, 71.2730



93.5737, 98.3441, 104.4107



67.2613, 67.4392, 75.1755



20.0441, 21.0671, 22.3952



0.0000, 0.0000, 0.0000



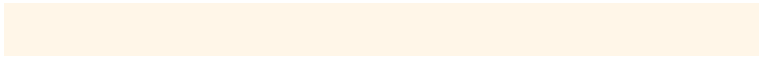
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9066, 72.1736, 71.2730



88.6333, 92.7305, 89.6085



70.3363, 75.6937, 71.8771



15.0783, 15.7706, 15.1538



23.5310, 19.6361, 2.5499



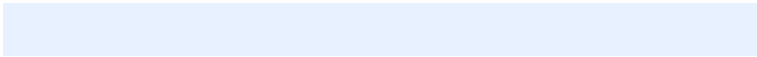
1.8298, 1.6330, 0.2188

Inverse Universe

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



65.2563, 68.8723, 82.5282



82.9468, 87.5879, 107.1421



63.8962, 65.5508, 81.9588



14.0675, 14.8565, 18.2705



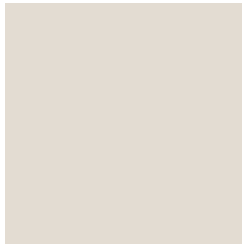
10.4989, 8.0599, 43.3855



0.8655, 0.7749, 3.2359

Previews

White Background



This preview shows how the XYZ color 68.9046, 72.1704, 71.2714 looks on a white background.

Color Contrast Check

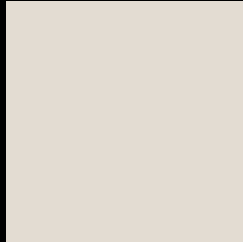
Large Text (above 18pt) WCAG AA × Fail

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 68.9046, 72.1704, 71.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

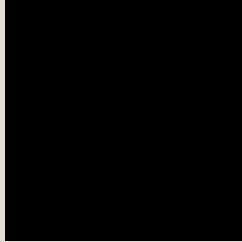
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

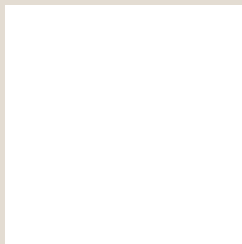
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9046, 72.1704, 71.2714

Background



This preview shows how black text looks on a background with the XYZ color 68.9046, 72.1704, 71.2714.

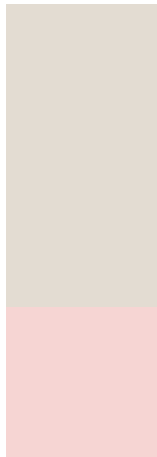


This preview shows how white text looks on a background with the XYZ color 68.9046, 72.1704,

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

68.9046, 72.1704, 71.2714

Protanopia

68.9046, 72.1704, 71.2714

Deuteranopia

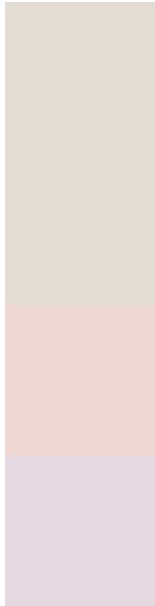
73.5582, 71.8845, 71.6262



Tritanopia

72.0403, 71.8752, 87.9183

Trichromacy



Original Color

68.9046, 72.1704, 71.2714

Protanomaly

68.9046, 72.1704, 71.2714

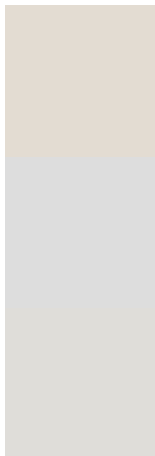
Deuteranomaly

71.9103, 72.1656, 71.7673

Tritanomaly

70.7166, 71.7200, 81.3503

Monochromacy



Original Color

68.9046, 72.1704, 71.2714

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.8123, 72.4106, 75.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9046, 72.1704, 71.2714 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(227, 220, 210) looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 210)  
}
```

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(227, 220, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 210) }
```

Border

The CSS property to change the border of an element to XYZ 68.9046, 72.1704, 71.2714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

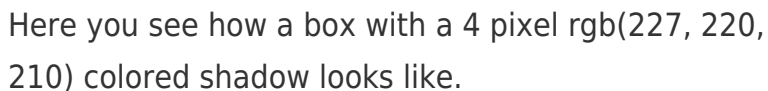
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 220, 210) }
```


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

```
.border{ border-color:rgb(227, 220, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 220, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 220, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 220, 210); box-shadow:4px 4px 4px 4px rgb(227, 220, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9046, 72.1704, 71.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 210) }
```

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

```
.background{ background-color: rgb(227,  
220, 210) }
```

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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