

Converting Colors

XYZ(68.2629, 71.3019, 63.0002)

Have a look what the booklet for
XYZ(68.2629, 71.3019, 63.0002)
contains.

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Color

**XYZ(68.1044, 71.1629,
62.9697)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DAC5
RGB	231, 218, 197
RGB Percent	91%, 85%, 77%
CMY	0.0941, 0.1451, 0.2274
CMYK	0.00, 0.06, 0.15, 0.09
HSL	37°, 41%, 84%
HSV	37°, 15%, 91%
XYZ	68.1044, 71.1629, 62.9697
YIQ	219.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

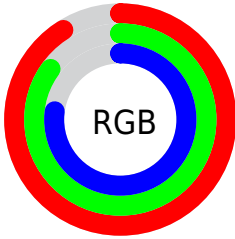
Format	Color
R _Y B	218, 231, 197
Decimal	15194821
CIE Lab	87.56, 1.02, 11.93
CIE LCh	88, 11.972, 85.097
Yxy	71.1629, 0.3368, 0.3519
Android (android.graphics.Color)	4293384901 (0xFFE7DAC5)
YUV	219.4930, -11.0890, 10.0916
Hunter-Lab	84.3581, -3.5192, 14.7932

Details

The XYZ color **68.1044, 71.1629, 62.9697** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.4961, 63.7317, 84.7148**, and the grayscale version is **67.7436, 71.2715, 77.6147**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **35.7343, 37.2915, 31.3012** is the 20% darker color. If you saturate the color by 10%, you get **63.4294, 65.7287, 49.3380**, and if you desaturate by 10%, it is **73.3109, 77.0097, 78.7813**.

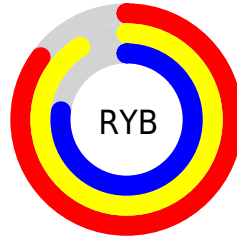
Distribution



Red (91%)

Green (85%)

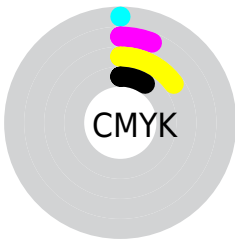
Blue (77%)



Red (85%)

Yellow (91%)

Blue (77%)

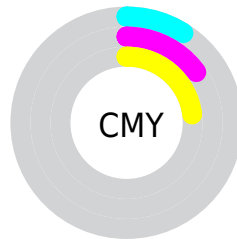


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1044, 71.1629, 62.9697 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 68.1044, 71.1629, 62.9697 by changing the saturation by 10% instead.

68.1044, 71.1629,
62.9697

68.1044, 71.1629,
62.9697

443.2367,
464.6227, 453.5644

50.2567, 52.4751,
45.3759

115.5426,
120.8656, 110.7109

35.8360, 37.3839,
31.4085

145.8637,
152.6494, 141.6954

24.4771, 25.5049,
20.6490

181.0734,
189.5673, 177.9805

15.8146, 16.4536,
12.6790

221.5369,
232.0038, 219.9848

9.4830, 9.8457,
7.0797

267.6196,
280.3431, 268.1268

5.1172, 5.2968,
3.4328

319.6870,

2.3516, 2.4224,

334.9698, 322.8251

1.3197

378.1042,
396.2682, 384.4981

■ 0.8209, 0.8374,
0.0778

■ 0.0000, 0.0000,
0.0000

■ 68.1044, 71.1629,
62.9697

■ 68.1044, 71.1629,
62.9697

■ 63.4294, 65.7287,
49.3380

■ 73.3109, 77.0097,
78.7813

■ 59.2598, 60.6864,
37.7841

■ 79.0623, 83.2700,
96.8597

■ 55.5758, 56.0275,
28.2045

■ 83.5046, 89.2078,
107.4254

■ 52.3539, 51.7393,
20.4848

■ 86.2325, 94.6636,
108.3347

■ 49.5681, 47.8083,
14.4989

■ 86.7652, 95.7290,
108.5123

■ 47.1897, 44.2196,
10.1048

■ 45.1852, 40.9564,
7.1375

■ 43.5143, 37.9991,
5.3954

■ 42.7338, 36.5463,
4.8018

Harmonies

Analogous

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



70.8002, 71.1629, 65.3919



68.1044, 71.1629, 62.9697



65.3561, 71.1629, 64.2095

Triad

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



68.1044, 71.1629, 62.9697



62.8286, 71.1629, 84.2849



72.2003, 71.1629, 86.7489

Complementary

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



68.1044, 71.1629, 62.9697



60.4961, 63.7317, 84.7148

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.



69.9729, 71.1629, 92.4731



68.1044, 71.1629, 62.9697



64.5718, 71.1629, 90.9824

Square

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



68.1044, 71.1629, 62.9697



62.3596, 71.1629, 76.1598



67.1741, 71.1629, 94.0737



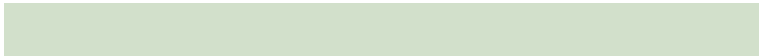
73.2066, 71.1629, 78.8241

Rectangle

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



68.1044, 71.1629, 62.9697



63.8563, 71.1629, 66.9946



67.1741, 71.1629, 94.0737



71.5666, 71.1629, 89.0155

Sweetspot

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



68.1063, 71.1661, 62.9712



92.2198, 96.8981, 100.0689



64.5591, 61.5772, 69.4784



19.6276, 20.6173, 21.0744



0.0000, 0.0000, 0.0000



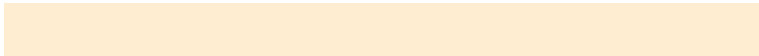
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1063, 71.1661, 62.9712



83.1774, 86.7012, 72.7376



70.3437, 77.5200, 64.0797



15.1147, 15.8433, 15.1659



24.0805, 20.7352, 2.7331



1.8686, 1.7105, 0.2317

Inverse Universe

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



60.4961, 63.7317, 84.7148



71.7446, 75.5335, 105.4058



58.4694, 58.1160, 83.7377



14.0321, 14.7857, 18.2587



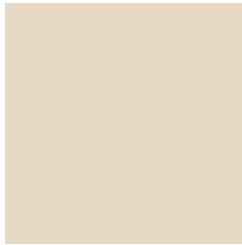
10.1670, 7.3962, 43.2749



0.8388, 0.7216, 3.2270

Previews

White Background



This preview shows how the XYZ color 68.1044, 71.1629, 62.9697 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 68.1044, 71.1629, 62.9697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

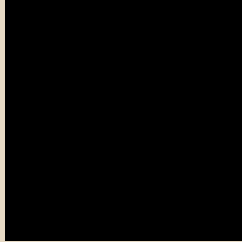
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

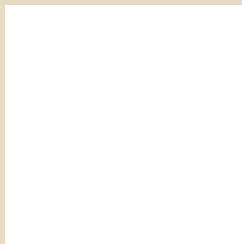
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1044, 71.1629, 62.9697

Background



This preview shows how black text looks on a background with the XYZ color 68.1044, 71.1629, 62.9697.

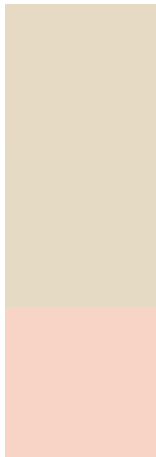


This preview shows how white text looks on a background with the XYZ color 68.1044, 71.1629, 62.9697.

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

68.1044, 71.1629, 62.9697

Protanopia

67.7227, 71.3523, 63.0263

Deuteranopia

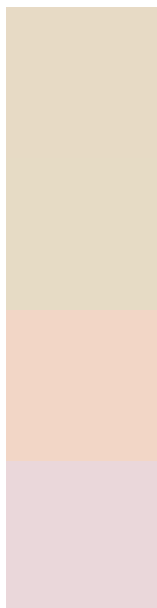
72.4479, 71.1206, 63.3353



Tritanopia

72.3381, 70.9638, 84.7477

Trichromacy



Original Color

68.1044, 71.1629, 62.9697

Protanomaly

68.0427, 71.5172, 63.0413

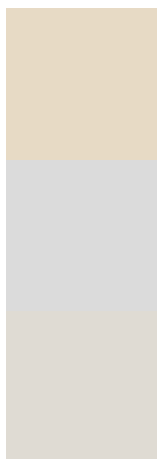
Deuteranomaly

70.8576, 71.0476, 63.4050

Tritanomaly

70.8870, 71.1553, 76.3279

Monochromacy



Original Color

68.1044, 71.1629, 62.9697

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.5208, 71.0542, 71.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1044, 71.1629, 62.9697 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(231, 218, 197)` looks like.

```
.text, #text, p{  
    color:rgb(231, 218, 197)  
}
```

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(231, 218, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 218, 197) }
```

Border

The CSS property to change the border of an element to XYZ 68.1044, 71.1629, 62.9697 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(231, 218, 197) }
```


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

```
.border{ border-color:rgb(231, 218, 197) }
```

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

Here you see how a box with a 4 pixel rgb(231, 218, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 218, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 218, 197);  
box-shadow:4px 4px 4px 4px rgb(231, 218,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1044, 71.1629, 62.9697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 218, 197) }
```

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

```
.background{ background-color: rgb(231,  
218, 197) }
```

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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