

Converting Colors

XYZ(67.2110, 71.4720, 60.6780)

Have a look what the booklet for
XYZ(67.2110, 71.4720, 60.6780)
contains.

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Color

**XYZ(67.2137, 71.5306,
60.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DCC1
RGB	228, 220, 193
RGB Percent	89%, 86%, 76%
CMY	0.1059, 0.1372, 0.2431
CMYK	0.00, 0.04, 0.15, 0.11
HSL	46°, 39%, 83%
HSV	46°, 15%, 89%
XYZ	67.2137, 71.5306, 60.7163
YIQ	219.3140, 13.4350, -6.7010

Conversions

Conversions Part 2

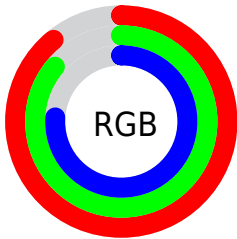
Format	Color
RYB	203, 228, 193
Decimal	14998721
CIELab	87.74, -1.70, 14.25
CIELCh	88, 14.349, 96.818
Yxy	71.5306, 0.3370, 0.3586
Android (android.graphics.Color)	4293188801 (0xFFE4DCC1)
YUV	219.3140, -12.9728, 7.6176
Hunter-Lab	84.5758, -6.1508, 16.6392

Details

The XYZ color **67.2137, 71.5306, 60.7163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.8823, 58.7109, 81.7336**, and the grayscale version is **67.6323, 71.1544, 77.4872**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **35.1286, 37.5450, 29.8215** is the 20% darker color. If you saturate the color by 10%, you get **63.5188, 67.9017, 47.8888**, and if you desaturate by 10%, it is **71.3473, 75.4079, 75.6262**.

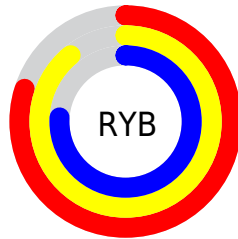
Distribution



Red (89%)

Green (86%)

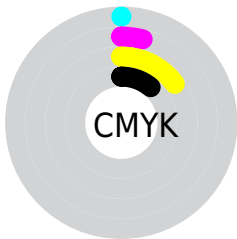
Blue (76%)



Red (80%)

Yellow (89%)

Blue (76%)

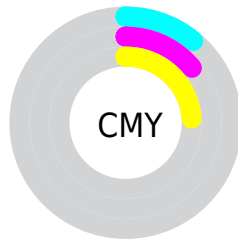


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (11%)



Cyan (11%)

Magenta (14%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2137, 71.5306, 60.7163 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 67.2137, 71.5306, 60.7163 by changing the saturation by 10% instead.

67.2137, 71.5306,
60.7163

67.2137, 71.5306,
60.7163

440.1256,
465.9061, 445.1108

49.5296, 52.7753,
43.5672

114.2747,
121.3889, 107.4216

35.2561, 37.6234,
29.9957

144.3823,
153.2608, 137.8148

24.0276, 25.6906,
19.5833

179.3619,
190.2736, 173.4598

15.4790, 16.5923,
11.9114

219.5787,
232.8118, 214.7752

9.2447, 9.9442,
6.5616

265.3981,
281.2597, 262.1794

4.9595, 5.3620,
3.1152

317.1855,

2.2581, 2.4612,

336.0018, 316.0911

1.1538

375.3062,
397.4225, 376.9287

■ 0.7731, 0.8571,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2137, 71.5306,
60.7163

■ 67.2137, 71.5306,
60.7163

■ 63.5188, 67.9017,
47.8888

■ 71.3473, 75.4079,
75.6262

■ 60.2384, 64.5037,
37.0448

■ 75.9308, 79.5316,
92.7024

■ 57.3548, 61.3314,
28.0841

■ 79.9344, 83.4926,
106.5104

■ 54.8466, 58.3756,
20.8957

■ 81.4528, 86.5295,
107.0166

■ 52.6902, 55.6261,
15.3572

■ 83.0153, 89.6545,
107.5374

■ 50.8589, 53.0716,
11.3305

■ 84.6223, 92.8684,
108.0731

■ 49.3218, 50.6992,
8.6549

■ 85.8051, 95.2341,
108.4673

■ 48.0411, 48.4931,
7.1327

■ 47.5042, 47.5122,
6.6670

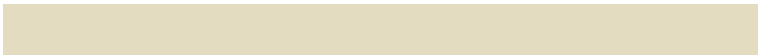
Harmonies

Analogous

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



70.5968, 71.5306, 61.8935



67.2137, 71.5306, 60.7163



64.1405, 71.5306, 63.8222

Triad

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



67.2137, 71.5306, 60.7163



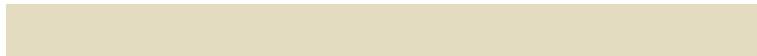
62.8817, 71.5306, 89.6661



74.1833, 71.5306, 85.4989

Complementary

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



67.2137, 71.5306, 60.7163



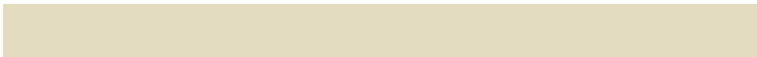
56.8823, 58.7109, 81.7336

Split Complementary

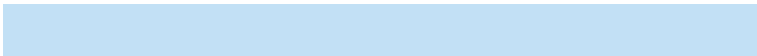
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9857, 71.5306, 93.8744



67.2137, 71.5306, 60.7163



65.4437, 71.5306, 96.4171

Square

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



67.2137, 71.5306, 60.7163



61.6940, 71.5306, 80.1310



68.7676, 71.5306, 98.0180



74.6955, 71.5306, 75.6807

Rectangle

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



67.2137, 71.5306, 60.7163



62.6559, 71.5306, 68.0698



68.7676, 71.5306, 98.0180



73.6137, 71.5306, 88.6004

Sweetspot

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



67.2156, 71.5338, 60.7178



92.1425, 97.3616, 98.1376



61.6279, 58.8597, 63.4750



19.6374, 20.7614, 20.6940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

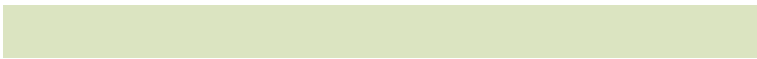
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2156, 71.5338, 60.7178



85.2668, 90.8800, 73.4341



66.4829, 74.3461, 61.2993



15.3078, 16.2295, 15.2302



27.5240, 27.6221, 3.8809



2.1023, 2.1779, 0.3096

Inverse Universe

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



56.8823, 58.7109, 81.7336



69.8573, 71.7589, 104.7767



57.5218, 56.3455, 81.2433



13.8486, 14.4186, 18.1975



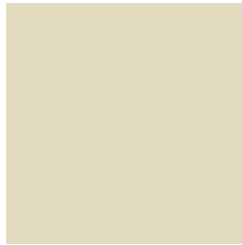
8.8714, 4.8049, 42.8430



0.7248, 0.4936, 3.1890

Previews

White Background



This preview shows how the XYZ color 67.2137, 71.5306, 60.7163 looks on a white background.

Color Contrast Check

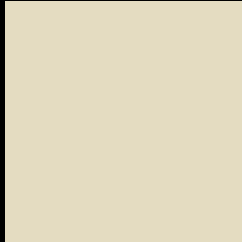
Large Text (above 18pt) WCAG AA × Fail

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 67.2137, 71.5306, 60.7163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

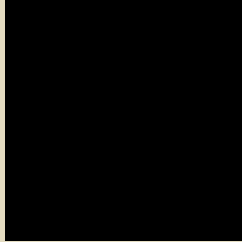
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

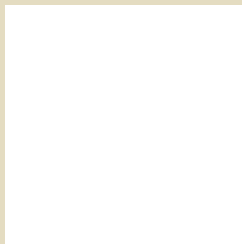
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2137, 71.5306, 60.7163

Background



This preview shows how black text looks on a background with the XYZ color 67.2137, 71.5306, 60.7163.



This preview shows how white text looks on a background with the XYZ color 67.2137, 71.5306,

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

67.2137, 71.5306, 60.7163

Protanopia

67.5903, 71.3363, 60.6590

Deuteranopia

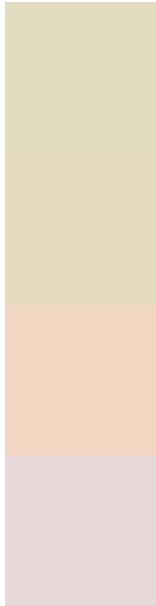
72.8182, 71.3511, 61.5640



Tritanopia

72.0746, 71.1863, 85.5429

Trichromacy



Original Color

67.2137, 71.5306, 60.7163

Protanomaly

67.2703, 71.1713, 60.6440

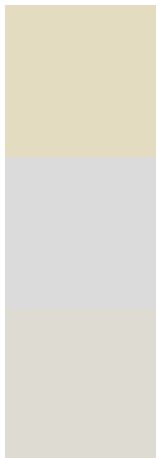
Deuteranomaly

70.6560, 71.3732, 61.0914

Tritanomaly

70.0352, 71.1104, 75.6801

Monochromacy



Original Color

67.2137, 71.5306, 60.7163

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.0886, 70.8458, 71.1114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2137, 71.5306, 60.7163 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(228, 220, 193) looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 193)  
}
```

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(228, 220, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 193) }
```

Border

The CSS property to change the border of an element to XYZ 67.2137, 71.5306, 60.7163 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(228, 220, 193) }
```


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

```
.border{ border-color:rgb(228, 220, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 193);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2137, 71.5306, 60.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 193) }
```

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

```
.background{ background-color: rgb(228,  
220, 193) }
```

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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