

Converting Colors

XYZ(68.2297, 74.2623, 67.6666)

Have a look what the booklet for
XYZ(68.2297, 74.2623, 67.6666)
contains.

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Color

**XYZ(68.2196, 74.2819,
67.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE2CC
RGB	222, 226, 204
RGB Percent	87%, 89%, 80%
CMY	0.1294, 0.1137, 0.2000
CMYK	0.02, 0.00, 0.10, 0.11
HSL	71°, 28%, 84%
HSV	71°, 10%, 89%
XYZ	68.2196, 74.2819, 67.8690
YIQ	222.2960, 4.6780, -7.6900

Conversions

Conversions Part 2

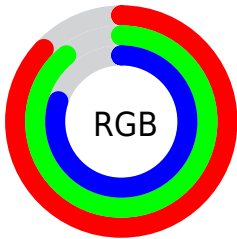
Format	Color
RYB	204, 226, 208
Decimal	14607052
CIELab	89.06, -5.15, 10.29
CIELCh	89, 11.505, 116.611
Yxy	74.2819, 0.3243, 0.3531
Android (android.graphics.Color)	4292797132 (0xFFDEE2CC)
YUV	222.2960, -9.0199, -0.2596
Hunter-Lab	86.1869, -9.5390, 13.6422

Details

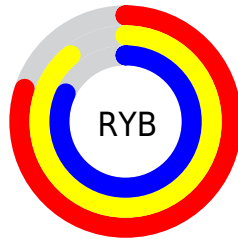
The XYZ color **68.2196, 74.2819, 67.8690** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.3356, 62.0886, 80.7070**, and the grayscale version is **69.7015, 73.3314, 79.8579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0043, 39.5433, 34.5892** is the 20% darker color. If you saturate the color by 10%, you get **64.4595, 72.6365, 54.5551**, and if you desaturate by 10%, it is **72.4079, 76.1070, 83.2593**.

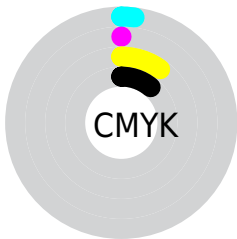
Distribution



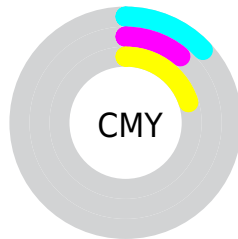
- Red (87%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2196, 74.2819, 67.8690 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 68.2196, 74.2819, 67.8690 by changing the saturation by 10% instead.

68.2196, 74.2819,
67.8690

68.2196, 74.2819,
67.8690

443.6382,
475.4457, 471.6172

50.3507, 55.0248,
49.3251

115.7064,
125.2953, 117.8172

35.9111, 39.4216,
34.5101

146.0551,
157.8205, 150.0585

24.5353, 27.0878,
23.0052

181.2944,
195.5371, 187.7029

15.8581, 17.6392,
14.3920

221.7898,
238.8295, 231.1686

9.5140, 10.6913,
8.2520

267.9064,
288.0822, 280.8744

5.1377, 5.8596,
4.1665

320.0098,

2.3639, 2.7599,

343.6795, 337.2387

1.7171

378.4653,
406.0059, 400.6801

■ 0.8271, 1.0077,
0.3724

■ 0.0000, 0.0000,
0.0000

■ 68.2196, 74.2819,
67.8690

■ 68.2196, 74.2819,
67.8690

■ 64.4595, 72.6365,
54.5551

■ 72.4079, 76.1070,
83.2593

■ 61.1044, 71.1542,
43.2238


■ 77.0344, 78.1085,
100.8047


■ 58.1382, 69.8310,
33.7817


■ 79.2913, 79.1657,
105.7092


■ 55.5409, 68.6588,
26.1255


■ 80.6601, 79.8714,
105.7732


 53.2908, 67.6290,
20.1423


 82.0604, 80.5933,
105.8387

 51.3640, 66.7318,
15.7062

 83.4926, 81.3316,
105.9058


 49.7328, 65.9564,
12.6736

 84.9567, 82.0863,
105.9743

 48.3647, 65.2895,
10.8741

 86.4530, 82.8577,
106.0443

 47.2047, 64.7092,
10.0193

 86.4878, 82.8757,
106.0459

Harmonies

Analogous

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



70.9213, 74.2819, 66.4506



68.2196, 74.2819, 67.8690



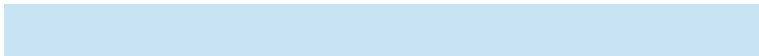
66.2042, 74.2819, 72.6920

Triad

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



68.2196, 74.2819, 67.8690



67.6825, 74.2819, 94.4428



76.1120, 74.2819, 81.7948

Complementary

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



68.2196, 74.2819, 67.8690



61.3356, 62.0886, 80.7070

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.



75.1918, 74.2819, 89.6616



68.2196, 74.2819, 67.8690



70.2851, 74.2819, 97.2611

Square

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



68.2196, 74.2819, 67.8690



65.8999, 74.2819, 87.9820



73.0407, 74.2819, 95.4567



75.5241, 74.2819, 74.1716

Rectangle

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



68.2196, 74.2819, 67.8690



65.4960, 74.2819, 77.3639



73.0407, 74.2819, 95.4567



75.9682, 74.2819, 84.5018

Sweetspot

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



68.2216, 74.2851, 67.8706



93.3322, 99.2539, 102.5179



64.7403, 65.4798, 66.3545



19.8806, 21.2025, 21.5872



0.0000, 0.0000, 0.0000



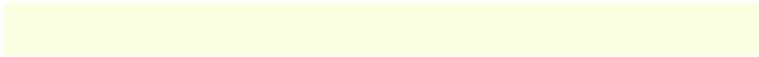
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2216, 74.2851, 67.8706



88.4897, 97.1426, 84.8923



65.0575, 72.6540, 67.7225



14.6143, 15.8969, 14.6049



27.0047, 36.9540, 5.7095



1.9363, 2.5947, 0.3988

Inverse Universe

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



61.3356, 62.0886, 80.7070



77.4364, 77.5644, 105.4978



64.4360, 63.6869, 80.8521



13.1836, 13.3627, 17.2721



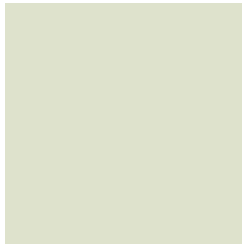
8.4278, 3.4400, 41.2682



0.6532, 0.2740, 2.8637

Previews

White Background



This preview shows how the XYZ color 68.2196, 74.2819, 67.8690 looks on a white background.

Color Contrast Check

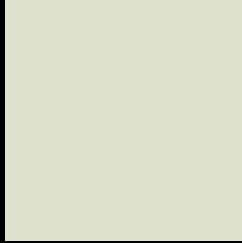
Large Text (above 18pt) WCAG AA × Fail

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 68.2196, 74.2819, 67.8690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

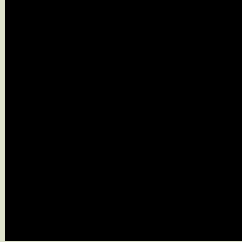
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

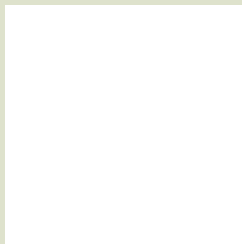
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2196, 74.2819, 67.8690

Background



This preview shows how black text looks on a background with the XYZ color 68.2196, 74.2819, 67.8690.



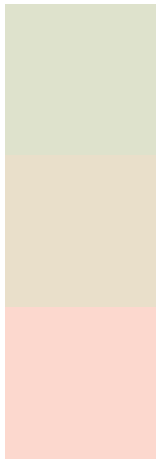
This preview shows how white text looks on a background with the XYZ color 68.2196, 74.2819,

67.8690.

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

68.2196, 74.2819, 67.8690

Protanopia

70.6526, 74.3633, 66.5069

Deuteranopia

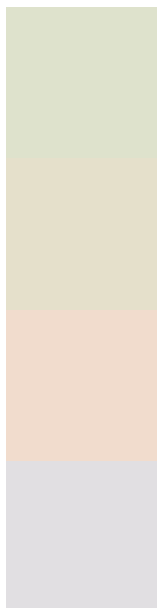
75.8413, 74.2634, 68.7295



Tritanopia

72.9676, 74.2168, 91.3684

Trichromacy



Original Color

68.2196, 74.2819, 67.8690

Protanomaly

69.7482, 74.2811, 67.1615

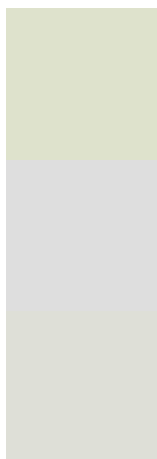
Deuteranomaly

72.8883, 74.2949, 68.2563

Tritanomaly

71.1665, 74.2739, 82.5369

Monochromacy



Original Color

68.2196, 74.2819, 67.8690

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7776, 73.2112, 74.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2196, 74.2819, 67.8690 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(222, 226, 204) looks like.

```
.text, #text, p{  
    color:rgb(222, 226, 204)  
}
```

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(222, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 226, 204) }
```

Border

The CSS property to change the border of an element to XYZ 68.2196, 74.2819, 67.8690 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(222, 226, 204) }
```


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

```
.border{ border-color:rgb(222, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(222, 226,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2196, 74.2819, 67.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 226, 204) }
```

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

```
.background{ background-color: rgb(222,  
226, 204) }
```

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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