

Converting Colors

XYZ(72.0441, 78.6027, 68.2004)

Have a look what the booklet for
XYZ(72.0441, 78.6027, 68.2004)
contains.

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Color

**XYZ(72.0688, 78.7309,
68.5249)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E8CC
RGB	229, 232, 204
RGB Percent	90%, 91%, 80%
CMY	0.1020, 0.0902, 0.2000
CMYK	0.01, 0.00, 0.12, 0.09
HSL	66°, 38%, 85%
HSV	66°, 12%, 91%
XYZ	72.0688, 78.7309, 68.5249
YIQ	227.9110, 7.2000, -9.3440

Conversions

Conversions Part 2

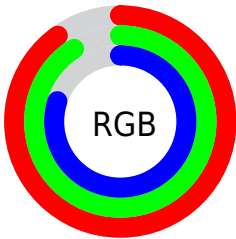
Format	Color
RYB	204, 232, 207
Decimal	15067340
CIELab	91.11, -5.75, 13.28
CIElCh	91, 14.476, 113.416
Yxy	78.7309, 0.3286, 0.3590
Android (android.graphics.Color)	4293257420 (0xFFE5E8CC)
YUV	227.9110, -11.7881, 0.9551
Hunter-Lab	88.7304, -10.2967, 16.3227

Details

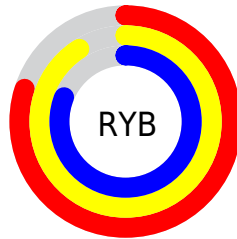
The XYZ color **72.0688, 78.7309, 68.5249** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.8936, 62.2795, 85.1072**, and the grayscale version is **73.7594, 77.6006, 84.5070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2639, 42.1369, 34.9707** is the 20% darker color. If you saturate the color by 10%, you get **68.7030, 77.2961, 54.9078**, and if you desaturate by 10%, it is **75.8648, 80.3443, 84.3291**.

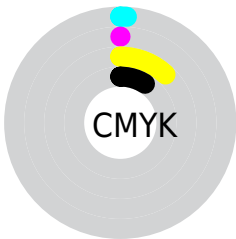
Distribution



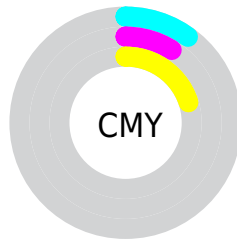
- Red (90%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0688, 78.7309, 68.5249 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 72.0688, 78.7309, 68.5249 by changing the saturation by 10% instead.

72.0688, 78.7309,
68.5249

72.0688, 78.7309,
68.5249

456.9349,
490.6455, 474.0020

53.5005, 58.6746,
49.8555

121.1646,
131.5800, 118.7640

38.4316, 42.3512,
34.9282

152.4229,
165.1415, 151.1709

26.4966, 29.3764,
23.3245

188.6419,
203.9735, 188.9940

17.3301, 19.3657,
14.6257

230.1869,
248.4605, 232.6519

10.5669, 11.9349,
8.4135

277.4234,
298.9868, 282.5631

5.8415, 6.6993,
4.2691

330.7167,

2.7887, 3.2748,

355.9368, 339.1461

1.7741

390.4321,
419.6949, 402.8196

■ 1.0430, 1.2768,
0.4108

■ 0.0000, 0.1231,
0.0000

■ 72.0688, 78.7309,
68.5249

■ 72.0688, 78.7309,
68.5249

■ 68.7030, 77.2961,
54.9078

■ 75.8648, 80.3443,
84.3291

■ 65.7428, 76.0222,
43.3766

■ 80.1019, 82.1329,
102.4055

■ 63.1705, 74.9048,
33.8295

■ 81.6563, 82.8497,
106.2956

■ 60.9649, 73.9353,
26.1543

■ 82.4909, 83.2800,
106.3346

■ 59.1025, 73.1045,
20.2278

■ 83.3370, 83.7162,
106.3742

■ 57.5569, 72.4016,
15.9118

■ 84.1947, 84.1584,
106.4144

■ 56.2980, 71.8147,
13.0473

■ 85.0642, 84.6066,
106.4551

■ 55.2894, 71.3292,
11.4433

■ 85.9453, 85.0608,
106.4963

■ 54.6215, 70.9979,
10.8251

■ 86.8382, 85.5211,
106.5381

Harmonies

Analogous

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



75.6413, 78.7309, 67.2178



72.0688, 78.7309, 68.5249



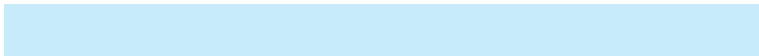
69.3204, 78.7309, 74.2627

Triad

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



72.0688, 78.7309, 68.5249



70.7142, 78.7309, 102.9518



82.0438, 78.7309, 88.0567

Complementary

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



72.0688, 78.7309, 68.5249



61.8936, 62.2795, 85.1072

Split Complementary

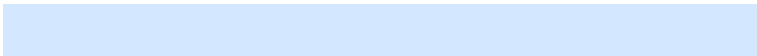
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6269, 78.7309, 98.3090



72.0688, 78.7309, 68.5249



74.0272, 78.7309, 107.3500

Square

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



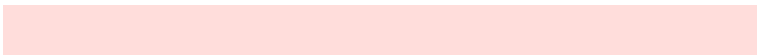
72.0688, 78.7309, 68.5249



68.5563, 78.7309, 93.9879



77.6636, 78.7309, 105.5854



81.4781, 78.7309, 77.9604

Rectangle

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



72.0688, 78.7309, 68.5249



68.2860, 78.7309, 80.0987



77.6636, 78.7309, 105.5854



81.7821, 78.7309, 91.6078

Sweetspot

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



72.0709, 78.7343, 68.5266



93.0494, 99.1534, 100.4605



66.4448, 66.0464, 66.3741



19.8380, 21.1897, 21.1738



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.



72.0709, 78.7343, 68.5266



88.4304, 97.1910, 81.3240



67.8416, 76.5541, 68.3287



15.4413, 16.7345, 15.3207



30.3871, 39.4466, 6.0124



2.2894, 2.9376, 0.4463

Inverse Universe

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



61.8936, 62.2795, 85.1072



73.9315, 73.7484, 104.9460



65.9188, 64.3546, 85.2956



13.7257, 13.9608, 18.1156



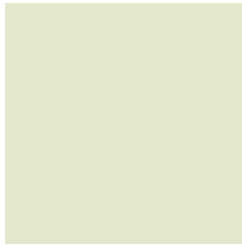
8.3577, 3.3745, 42.5940



0.6660, 0.2743, 3.1498

Previews

White Background



This preview shows how the XYZ color 72.0688, 78.7309, 68.5249 looks on a white background.

Color Contrast Check

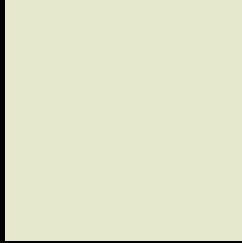
Large Text (above 18pt) WCAG AA × Fail

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 72.0688, 78.7309, 68.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

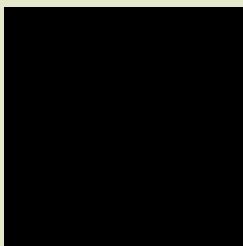
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

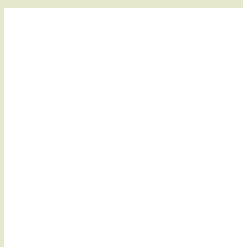
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0688, 78.7309, 68.5249

Background



This preview shows how black text looks on a background with the XYZ color 72.0688, 78.7309, 68.5249.

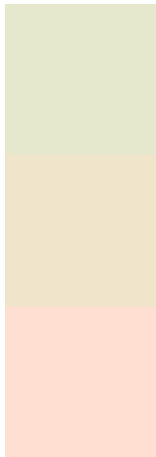


This preview shows how white text looks on a background with the XYZ color 72.0688, 78.7309,

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

72.0688, 78.7309, 68.5249

Protanopia

74.6152, 78.8282, 67.1598

Deuteranopia

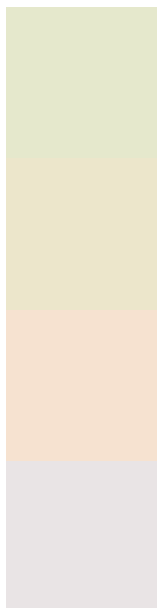
79.2605, 78.6885, 71.9837



Tritanopia

77.7864, 78.5865, 96.6569

Trichromacy



Original Color

72.0688, 78.7309, 68.5249

Protanomaly

73.6684, 78.7383, 67.8152

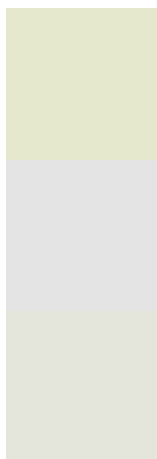
Deuteranomaly

76.5876, 78.5396, 70.7976

Tritanomaly

75.4905, 78.4676, 85.2957

Monochromacy



Original Color

72.0688, 78.7309, 68.5249

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.8004, 77.6471, 78.1682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0688, 78.7309, 68.5249 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(229, 232, 204) looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 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(229, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 204) }
```

Border

The CSS property to change the border of an element to XYZ 72.0688, 78.7309, 68.5249 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(229, 232, 204) }
```


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

```
.border{ border-color:rgb(229, 232, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0688, 78.7309, 68.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 204) }
```

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

```
.background{ background-color: rgb(229,  
232, 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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