

Converting Colors

XYZ(68.7988, 72.0153, 75.1832)

Have a look what the booklet for
XYZ(68.7988, 72.0153, 75.1832)
contains.

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Color

**XYZ(68.7283, 71.9916,
75.2391)**

Conversions

Conversions Part 1

Format	Color
Hex	E0DCD8
RGB	224, 220, 216
RGB Percent	88%, 86%, 85%
CMY	0.1216, 0.1372, 0.1529
CMYK	0.00, 0.02, 0.04, 0.12
HSL	30°, 11%, 86%
HSV	30°, 4%, 88%
XYZ	68.7283, 71.9916, 75.2391
YIQ	220.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

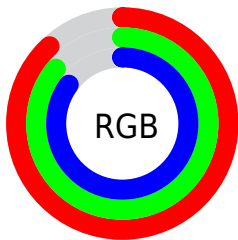
Format	Color
RYB	224, 224, 216
Decimal	14736600
CIELab	87.96, 0.66, 2.43
CIELCh	88, 2.520, 74.833
Yxy	71.9916, 0.3182, 0.3334
Android (android.graphics.Color)	4292926680 (0xFFE0DCD8)
YUV	220.7400, -2.3368, 2.8590
Hunter-Lab	84.8479, -3.8955, 6.8179

Details

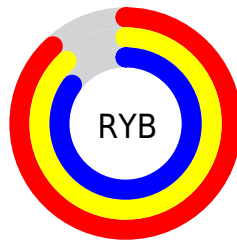
The XYZ color **68.7283, 71.9916, 75.2391** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.3665, 71.1659, 80.7076**, and the grayscale version is **68.5607, 72.1312, 78.5509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2503, 37.9185, 39.1266** is the 20% darker color. If you saturate the color by 10%, you get **63.1894, 65.2360, 60.0659**, and if you desaturate by 10%, it is **74.8627, 79.3045, 92.5602**.

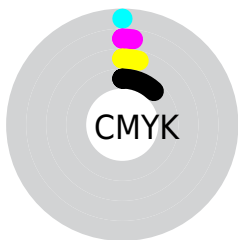
Distribution



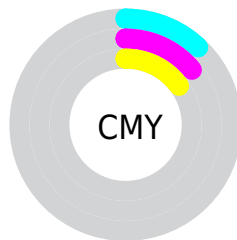
- Red (88%)
- Green (86%)
- Blue (85%)



- Red (88%)
- Yellow (88%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7283, 71.9916, 75.2391 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 68.7283, 71.9916, 75.2391 by changing the saturation by 10% instead.

■ 68.7283, 71.9916,
75.2391

■ 68.7283, 71.9916,
75.2391

445.4085,
467.5124, 498.0163

■ 50.7663, 53.1518,
55.3059

116.4296,
122.0446, 128.4010

■ 36.2429, 37.9240,
39.2464

146.8997,
154.0266, 162.4667

■ 24.7929, 25.9237,
26.6422

182.2697,
191.1581, 202.0804

■ 16.0507, 16.7666,
17.0746

222.9052,
233.8235, 247.6605

■ 9.6511, 10.0682,
10.1252

269.1715,
282.4073, 299.6256

■ 5.2287, 5.4442,
5.3753

321.4339,

■ 2.4182, 2.5102,

337.2937, 358.3942

2.4066

380.0578,
398.8673, 424.3850

■ 0.8542, 0.8817,
0.7900

■ 0.0000, 0.0000,
0.0000

■ 68.7283, 71.9916,
75.2391

■ 68.7283, 71.9916,
75.2391

■ 63.1894, 65.2360,
60.0659

■ 74.8627, 79.3045,
92.5602

■ 58.2201, 59.0143,
46.9511

■ 80.6567, 86.7993,
107.1106

■ 53.8017, 53.3150,
35.8058

■ 84.0963, 93.6785,
108.2571

■ 49.9119, 48.1227,
26.5326

■ 84.5508, 94.5875,
108.4086

■ 46.5266, 43.4211,
19.0258

■ 43.6197, 39.1927,
13.1692

■ 41.1622, 35.4188,
8.8320

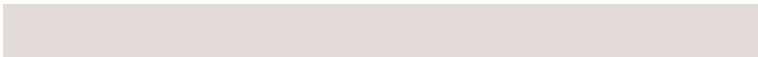
■ 39.1210, 32.0785,
5.8638

■ 37.4569, 29.1484,
4.0819

Harmonies

Analogous

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



69.2477, 71.9916, 76.0789



68.7283, 71.9916, 75.2391



68.1308, 71.9916, 75.2342

Triad

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



68.7283, 71.9916, 75.2391



67.3161, 71.9916, 79.2359



69.2429, 71.9916, 80.7544

Complementary

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



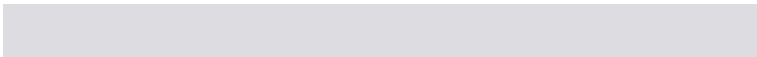
68.7283, 71.9916, 75.2391



67.3665, 71.1659, 80.7076

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.



68.7218, 71.9916, 81.6258



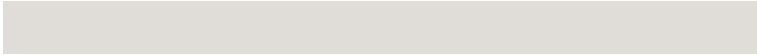
68.7283, 71.9916, 75.2391



67.6105, 71.9916, 80.7405

Square

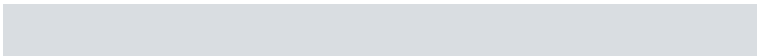
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7283, 71.9916, 75.2391



67.3178, 71.9916, 77.5249



68.1243, 71.9916, 81.6207



69.5460, 71.9916, 79.2547

Rectangle

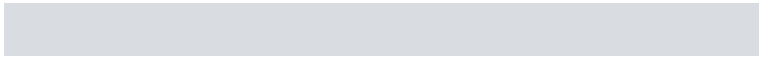
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



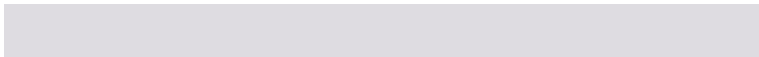
68.7283, 71.9916, 75.2391



67.7687, 71.9916, 75.7044



68.1243, 71.9916, 81.6207



69.0873, 71.9916, 81.1315

Sweetspot

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



68.7303, 71.9947, 75.2407



94.2371, 99.0269, 106.6171



68.2155, 70.1273, 77.6516



20.1792, 21.2061, 22.8445



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.



68.7303, 71.9947, 75.2407



91.8471, 96.1528, 99.9447



69.7916, 74.1173, 75.5944



14.8511, 15.5332, 16.0126



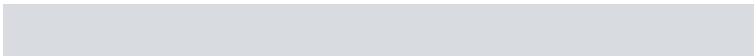
21.3885, 16.2150, 2.0025



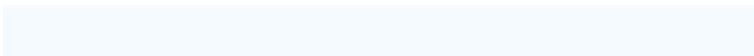
1.5721, 1.3030, 0.1687

Inverse Universe

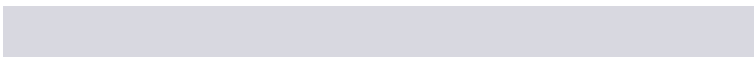
The Inverse Universe completely reimagines the original color for something new.



67.3665, 71.1659, 80.7076



89.7893, 94.9022, 108.1933



66.3303, 69.0935, 80.3622



14.4606, 15.2959, 17.5779



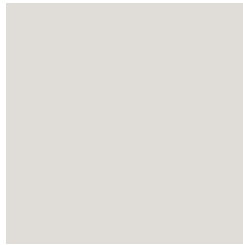
11.3115, 10.0926, 42.4002



0.8736, 0.8786, 2.9688

Previews

White Background



This preview shows how the XYZ color 68.7283, 71.9916, 75.2391 looks on a white background.

Color Contrast Check

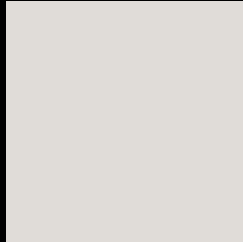
Large Text (above 18pt) WCAG AA × Fail

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 68.7283, 71.9916, 75.2391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

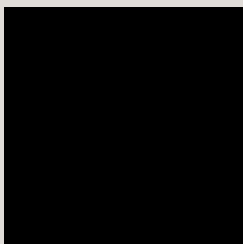
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

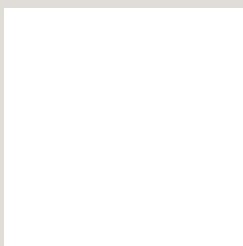
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7283, 71.9916, 75.2391

Background



This preview shows how black text looks on a background with the XYZ color 68.7283, 71.9916, 75.2391.



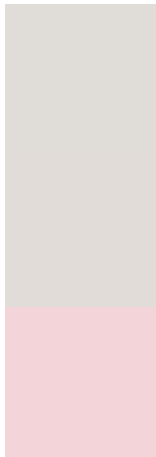
This preview shows how white text looks on a background with the XYZ color 68.7283, 71.9916,

75.2391.

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

68.7283, 71.9916, 75.2391

Protanopia

69.3519, 72.3130, 75.2683

Deuteranopia

73.2808, 71.6529, 75.6137



Tritanopia

71.3427, 71.8971, 87.9593

Trichromacy



Original Color

68.7283, 71.9916, 75.2391

Protanomaly

69.0392, 72.1518, 75.2537

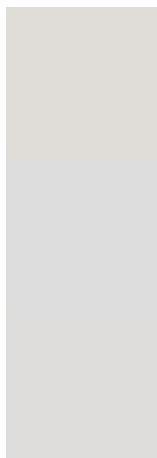
Deuteranomaly

71.6723, 71.9544, 75.7567

Tritanomaly

70.3006, 71.8576, 82.8377

Monochromacy



Original Color

68.7283, 71.9916, 75.2391

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7668, 72.3570, 77.3597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7283, 71.9916, 75.2391 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(224, 220, 216) looks like.

```
.text, #text, p{  
    color:rgb(224, 220, 216)  
}
```

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(224, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 220, 216) }
```

Border

The CSS property to change the border of an element to XYZ 68.7283, 71.9916, 75.2391 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(224, 220, 216) }
```


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

```
.border{ border-color:rgb(224, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(224, 220,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7283, 71.9916, 75.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 220, 216) }
```

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

```
.background{ background-color: rgb(224,  
220, 216) }
```

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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