

Converting Colors

XYZ(67.7023, 70.8419, 63.5325)

Have a look what the booklet for
XYZ(67.7023, 70.8419, 63.5325)
contains.

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Color

**XYZ(67.8976, 71.0430,
63.5602)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DAC6
RGB	230, 218, 198
RGB Percent	90%, 85%, 78%
CMY	0.0980, 0.1451, 0.2235
CMYK	0.00, 0.05, 0.14, 0.10
HSL	38°, 39%, 84%
HSV	38°, 14%, 90%
XYZ	67.8976, 71.0430, 63.5602
YIQ	219.3080, 13.5720, -3.6760

Conversions

Conversions Part 2

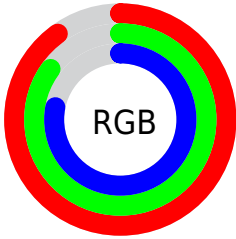
Format	Color
R _Y B	217, 230, 198
Decimal	15129286
CIE Lab	87.51, 0.82, 11.31
CIE LCh	88, 11.339, 85.849
Yxy	71.0430, 0.3353, 0.3508
Android (android.graphics.Color)	4293319366 (0xFFE6DAC6)
YUV	219.3080, -10.5048, 9.3769
Hunter-Lab	84.2870, -3.7112, 14.2908

Details

The XYZ color **67.8976, 71.0430, 63.5602** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.6181, 63.8110, 83.9855**, and the grayscale version is **67.6115, 71.1325, 77.4633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5868, 37.2067, 31.6915** is the 20% darker color. If you saturate the color by 10%, you get **63.2662, 65.7078, 49.9067**, and if you desaturate by 10%, it is **73.0521, 76.7783, 79.3773**.

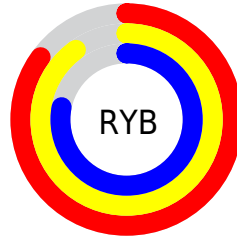
Distribution



Red (90%)

Green (85%)

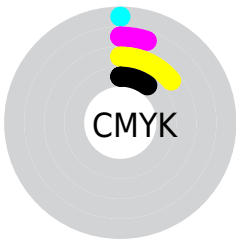
Blue (78%)



Red (85%)

Yellow (90%)

Blue (78%)

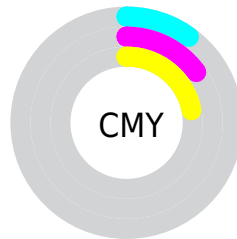


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (10%)



Cyan (10%)

Magenta (15%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8976, 71.0430, 63.5602 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 67.8976, 71.0430, 63.5602 by changing the saturation by 10% instead.

67.8976, 71.0430,
63.5602

67.8976, 71.0430,
63.5602

442.5155,
464.2037, 455.7635

50.0878, 52.3773,
45.8506

115.2484,
120.6949, 111.5707

35.7013, 37.3059,
31.7802

145.5200,
152.4500, 142.7087

24.3726, 25.4444,
20.9302

180.6764,
189.3369, 179.1599

15.7365, 16.4085,
12.8823

221.0827,
231.7401, 221.3429

9.4275, 9.8137,
7.2177

267.1045,
280.0440, 269.6763

5.0804, 5.2756,
3.5181

319.1070,

2.3298, 2.4098,

334.6330, 324.5784

1.3649

377.4555,
395.8914, 386.4680

■ 0.8098, 0.8309,
0.1141

■ 0.0000, 0.0000,
0.0000

■ 67.8976, 71.0430,
63.5602

■ 67.8976, 71.0430,
63.5602

■ 63.2662, 65.7078,
49.9067

■ 73.0521, 76.7783,
79.3773

■ 59.1322, 60.7525,
38.3162

■ 78.7427, 82.9145,
97.4434

■ 55.4763, 56.1688,
28.6871

■ 82.9954, 88.6671,
107.3479

■ 52.2755, 51.9448,
20.9072

■ 85.6490, 93.9742,
108.2324

■ 49.5045, 48.0671,
14.8526

■ 86.4434, 95.5632,
108.4972

■ 47.1351, 44.5215,
10.3844

■ 45.1350, 41.2919,
7.3416

■ 43.4649, 38.3593,
5.5287

■ 42.5736, 36.7036,
4.8406

Harmonies

Analogous

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



70.4558, 71.0430, 65.7822



67.8976, 71.0430, 63.5602



65.3044, 71.0430, 64.8288

Triad

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



67.8976, 71.0430, 63.5602



62.9962, 71.0430, 83.9620



71.8750, 71.0430, 85.9297

Complementary

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



67.8976, 71.0430, 63.5602



60.6181, 63.8110, 83.9855

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.



69.7939, 71.0430, 91.3962



67.8976, 71.0430, 63.5602



64.6751, 71.0430, 90.2085

Square

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



67.8976, 71.0430, 63.5602



62.5185, 71.0430, 76.2913



67.1523, 71.0430, 93.0111



72.7903, 71.0430, 78.4260

Rectangle

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



67.8976, 71.0430, 63.5602



63.8972, 71.0430, 67.5313



67.1523, 71.0430, 93.0111



71.2860, 71.0430, 88.0853

Sweetspot

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



67.8995, 71.0461, 63.5617



92.2432, 96.9450, 100.0767



64.4942, 61.8786, 69.6926



19.6335, 20.6292, 21.0764



0.0000, 0.0000, 0.0000



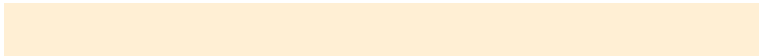
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8995, 71.0461, 63.5617



83.8728, 87.5823, 74.5406



69.9384, 76.8835, 64.5810



15.1238, 15.8616, 15.1689



24.2237, 21.0215, 2.7808



1.8786, 1.7305, 0.2350

Inverse Universe

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



60.6181, 63.8110, 83.9855



72.8166, 76.5971, 105.5546



58.7630, 58.6218, 83.0816



14.0233, 14.7679, 18.2557



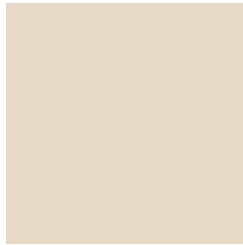
10.0882, 7.2385, 43.2486



0.8324, 0.7088, 3.2249

Previews

White Background



This preview shows how the XYZ color 67.8976, 71.0430, 63.5602 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 67.8976, 71.0430, 63.5602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

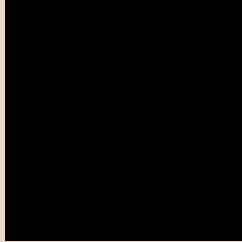
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

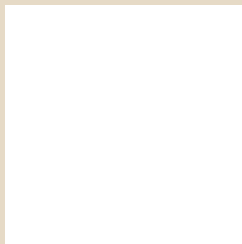
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8976, 71.0430, 63.5602

Background



This preview shows how black text looks on a background with the XYZ color 67.8976, 71.0430, 63.5602.

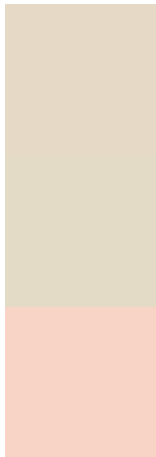


This preview shows how white text looks on a background with the XYZ color 67.8976, 71.0430,

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

67.8976, 71.0430, 63.5602

Protanopia

67.5195, 71.2342, 63.6170

Deuteranopia

72.5637, 71.1669, 63.9449



Tritanopia

72.0089, 70.7941, 84.7323

Trichromacy



Original Color

67.8976, 71.0430, 63.5602

Protanomaly

67.8377, 71.3983, 63.6319

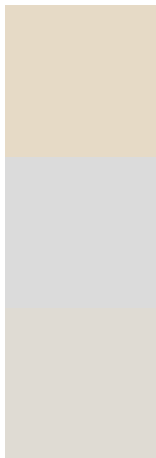
Deuteranomaly

70.6310, 70.9174, 63.9986

Tritanomaly

70.5596, 70.9865, 76.3125

Monochromacy



Original Color

67.8976, 71.0430, 63.5602

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 67.8976, 71.0430, 63.5602 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(230, 218, 198) looks like.

```
.text, #text, p{  
    color:rgb(230, 218, 198)  
}
```

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(230, 218, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 218, 198) }
```

Border

The CSS property to change the border of an element to XYZ 67.8976, 71.0430, 63.5602 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(230, 218, 198) }
```


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

```
.border{ border-color:rgb(230, 218, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 218, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 218, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 218, 198);  
box-shadow:4px 4px 4px 4px rgb(230, 218,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8976, 71.0430, 63.5602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 218, 198) }
```

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

```
.background{ background-color: rgb(230,  
218, 198) }
```

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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