

Converting Colors

XYZ(71.8706, 75.7723, 78.1364)

Have a look what the booklet for
XYZ(71.8706, 75.7723, 78.1364)
contains.

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Color

**XYZ(71.9774, 76.0012,
77.8939)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E2DB
RGB	228, 226, 219
RGB Percent	89%, 89%, 86%
CMY	0.1059, 0.1137, 0.1412
CMYK	0.00, 0.01, 0.04, 0.11
HSL	47°, 14%, 88%
HSV	47°, 4%, 89%
XYZ	71.9774, 76.0012, 77.8939
YIQ	225.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

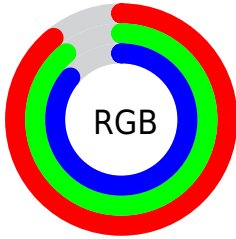
Format	Color
R _Y B	222, 228, 219
Decimal	15000283
CIE Lab	89.86, -0.55, 3.64
CIE LCh	90, 3.685, 98.536
Yxy	76.0012, 0.3187, 0.3365
Android (android.graphics.Color)	4293190363 (0xFFE4E2DB)
YUV	225.8000, -3.3524, 1.9294
Hunter-Lab	87.1787, -5.1876, 8.0496

Details

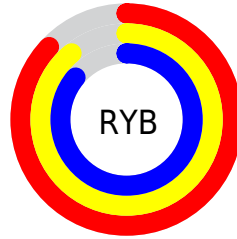
The XYZ color **71.9774, 76.0012, 77.8939** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0733, 72.3731, 83.7284**, and the grayscale version is **72.1678, 75.9261, 82.6836**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4973, 40.6904, 40.9470** is the 20% darker color. If you saturate the color by 10%, you get **67.8253, 72.1755, 62.7014**, and if you desaturate by 10%, it is **76.5855, 80.0790, 95.2686**.

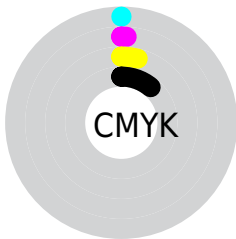
Distribution



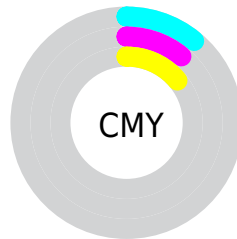
- Red (89%)
- Green (89%)
- Blue (86%)



- Red (87%)
- Yellow (89%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9774, 76.0012, 77.8939 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 71.9774, 76.0012, 77.8939 by changing the saturation by 10% instead.

■ 71.9774, 76.0012,
77.8939

■ 71.9774, 76.0012,
77.8939

456.6218,
481.3518, 507.3248

■ 53.4256, 56.4335,
57.4709

121.0354,
127.7286, 132.1851

■ 38.3715, 40.5506,
40.9715

152.2723,
160.6571, 166.8903

■ 26.4497, 27.9681,
27.9773

188.4682,
198.8080, 207.1933

■ 17.2948, 18.3016,
18.0697

229.9887,
242.5656, 253.5127

■ 10.5415, 11.1667,
10.8301

277.1989,
292.3144, 306.2670

■ 5.8244, 6.1791,
5.8399

330.4642,

■ 2.7783, 2.9543,

348.4388, 365.8748

2.6808

390.1501,
411.3231, 432.7545

■ 1.0376, 1.1079,
0.9337

■ 0.0000, 0.0000,
0.0000

■ 71.9774, 76.0012,
77.8939

■ 71.9774, 76.0012,
77.8939

■ 67.8253, 72.1755,
62.7014

■ 76.5855, 80.0790,
95.2686

■ 64.1059, 68.5848,
49.5986

■ 80.0742, 83.7721,
106.5570

■ 60.8033, 65.2245,
38.4936

■ 81.5514, 86.7264,
107.0494

■ 57.8979, 62.0863,
29.2858

■ 83.0701, 89.7638,
107.5556

■ 55.3686, 59.1611,
21.8659

■ 84.6307, 92.8850,
108.0758

■ 53.1923, 56.4392,
16.1131

■ 85.8052, 95.2341,
108.4674

■ 51.3428, 53.9094,
11.8919

■ 49.7899, 51.5592,
9.0453

■ 48.4971, 49.3732,
7.3823

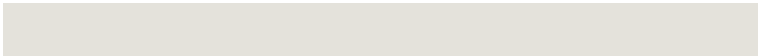
Harmonies

Analogous

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



72.8792, 76.0012, 78.1748



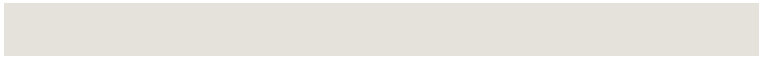
71.9774, 76.0012, 77.8939



71.1520, 76.0012, 78.8933

Triad

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



71.9774, 76.0012, 77.8939



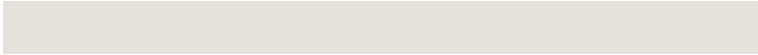
70.8765, 76.0012, 85.9145



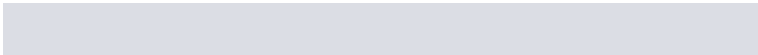
73.8779, 76.0012, 84.6001

Complementary

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



71.9774, 76.0012, 77.8939



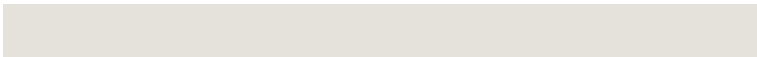
69.0733, 72.3731, 83.7284

Split Complementary

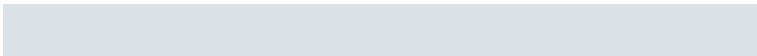
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3327, 76.0012, 86.7354



71.9774, 76.0012, 77.8939



71.5983, 76.0012, 87.5053

Square

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



71.9774, 76.0012, 77.8939



70.5199, 76.0012, 83.4986



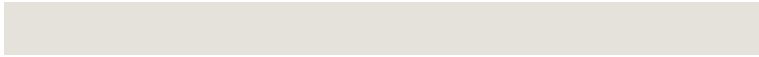
72.4969, 76.0012, 87.8088



73.9815, 76.0012, 82.0106

Rectangle

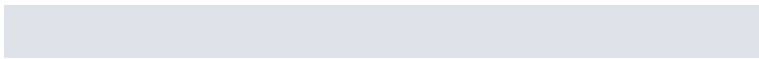
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.9774, 76.0012, 77.8939



70.7543, 76.0012, 80.1636



72.4969, 76.0012, 87.8088



73.7400, 76.0012, 85.3963

Sweetspot

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



71.9795, 76.0045, 77.8955



94.4620, 99.4766, 106.6920



70.3918, 72.3839, 78.7390



20.2250, 21.2976, 22.8598



0.0000, 0.0000, 0.0000



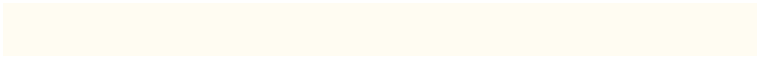
20.3446, 21.4041, 23.3091

Same Dimension

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



71.9795, 76.0045, 77.8955



92.1694, 97.4154, 98.1466



71.7692, 76.7063, 78.0421



15.6671, 16.5679, 16.5219



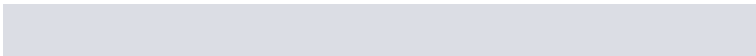
27.6964, 27.9670, 3.9384



2.1137, 2.2007, 0.3134

Inverse Universe

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



69.0733, 72.3731, 83.7284



87.4295, 91.4929, 107.6596



69.2769, 71.7006, 83.5879



14.7586, 15.4328, 18.3453



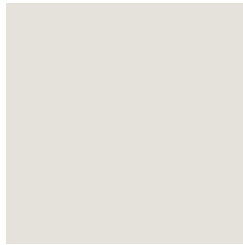
8.8308, 4.7237, 42.8295



0.7208, 0.4855, 3.1877

Previews

White Background



This preview shows how the XYZ color 71.9774, 76.0012, 77.8939 looks on a white background.

Color Contrast Check

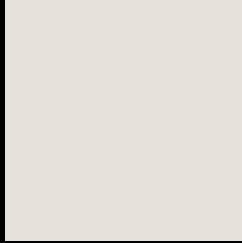
Large Text (above 18pt) WCAG AA × Fail

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 71.9774, 76.0012, 77.8939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

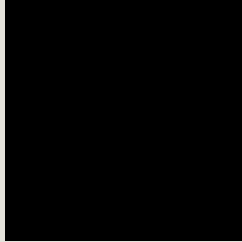
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

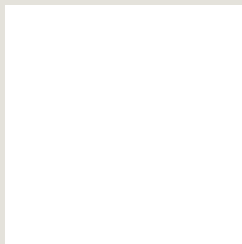
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9774, 76.0012, 77.8939

Background



This preview shows how black text looks on a background with the XYZ color 71.9774, 76.0012, 77.8939.

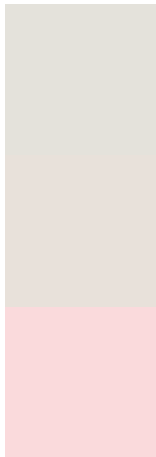


This preview shows how white text looks on a background with the XYZ color 71.9774, 76.0012,

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

71.9774, 76.0012, 77.8939

Protanopia

72.8588, 76.0682, 77.1722

Deuteranopia

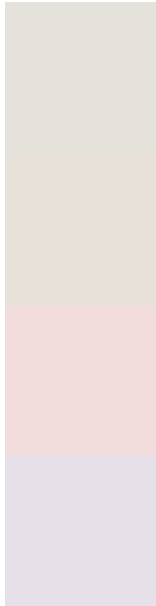
77.4140, 75.6341, 78.2288



Tritanopia

75.0708, 76.0555, 93.1616

Trichromacy



Original Color

71.9774, 76.0012, 77.8939

Protanomaly

72.5351, 75.9013, 77.1571

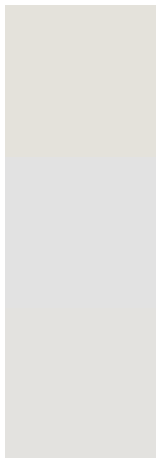
Deuteranomaly

75.3927, 75.7575, 78.3592

Tritanomaly

73.8543, 75.9605, 87.1132

Monochromacy



Original Color

71.9774, 76.0012, 77.8939

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.1942, 76.0513, 80.6864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9774, 76.0012, 77.8939 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, 226, 219) looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 219)  
}
```

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, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 219) }
```

Border

The CSS property to change the border of an element to XYZ 71.9774, 76.0012, 77.8939 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, 226, 219) }
```


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

```
.border{ border-color:rgb(228, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 226, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 226, 219); box-shadow:4px 4px 4px 4px rgb(228, 226, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9774, 76.0012, 77.8939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 219) }
```

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

```
.background{ background-color: rgb(228,  
226, 219) }
```

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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