

Converting Colors

XYZ(72.9973, 77.2052, 83.7504)

Have a look what the booklet for
XYZ(72.9973, 77.2052, 83.7504)
contains.

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Color

**XYZ(72.9726, 77.2016,
83.7284)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E4E3
RGB	226, 228, 227
RGB Percent	89%, 89%, 89%
CMY	0.1137, 0.1059, 0.1098
CMYK	0.01, 0.00, 0.00, 0.11
HSL	150°, 4%, 89%
HSV	150°, 1%, 89%
XYZ	72.9726, 77.2016, 83.7284
YIQ	227.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

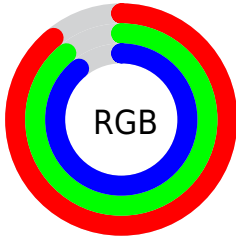
Format	Color
R _Y B	226, 227, 228
Decimal	14869731
CIE Lab	90.41, -0.85, 0.24
CIE LCh	90, 0.880, 164.088
Yxy	77.2016, 0.3120, 0.3301
Android (android.graphics.Color)	4293059811 (0xFFE2E4E3)
YUV	227.2880, -0.1420, -1.1296
Hunter-Lab	87.8644, -5.5161, 5.0061

Details

The XYZ color **72.9726, 77.2016, 83.7284** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.0593, 76.4348, 83.5797**, and the grayscale version is **73.2266, 77.0401, 83.8966**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1846, 41.5236, 44.9793** is the 20% darker color. If you saturate the color by 10%, you get **64.7687, 73.1507, 75.3872**, and if you desaturate by 10%, it is **82.2362, 81.7911, 92.6683**.

Distribution



Red (89%)

Green (89%)

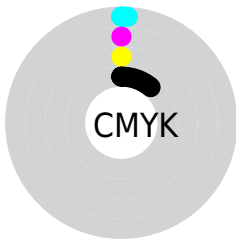
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9726, 77.2016, 83.7284 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 72.9726, 77.2016, 83.7284 by changing the saturation by 10% instead.

■ 72.9726, 77.2016,
83.7284

■ 72.9726, 77.2016,
83.7284

460.0251,
485.4511, 527.4453

■ 54.2419, 57.4184,
62.2471

122.4417,
129.4240, 140.4535

■ 39.0265, 41.3412,
44.7953

153.9107,
162.6320, 176.5345

■ 26.9612, 28.5858,
30.9545

190.3565,
201.0836, 218.3190

■ 17.6805, 18.7677,
20.3060

232.1445,
245.1634, 266.2258

■ 10.8191, 11.5026,
12.4314

279.6400,
295.2556, 320.6732

■ 6.0117, 6.4059,
6.9121

333.2083,

■ 2.8929, 3.0934,

351.7447, 382.0800

3.3296

393.2149,
415.0151, 450.8645

■ 1.0974, 1.1807,
1.2653

■ 0.0229, 0.0459,
0.0331

■ 72.9726, 77.2016,
83.7284

■ 72.9726, 77.2016,
83.7284

■ 64.7687, 73.1507,
75.3872

■ 82.2362, 81.7911,
92.6683

■ 57.5788, 69.6084,
67.6274

■ 86.2159, 83.6422,
101.9155

■ 51.3632, 66.5569,
60.4379

■ 87.0349, 83.9697,
106.2283

■ 46.0772, 63.9732,
53.8053

■ 41.6725, 61.8327,
47.7159

■ 38.0960, 60.1083,
42.1553

■ 35.2889, 58.7700,
37.1082

■ 33.1839, 57.7834,
32.5587

■ 31.7010, 57.1074,
28.4895

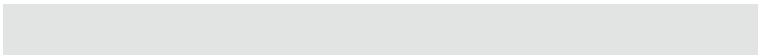
Harmonies

Analogous

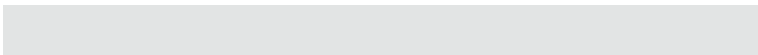
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0845, 77.2016, 83.1940



72.9726, 77.2016, 83.7284



72.9691, 77.2016, 84.3540

Triad

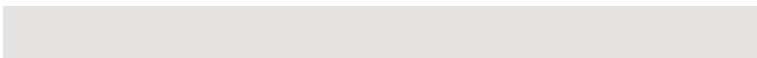
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9726, 77.2016, 83.7284



73.4806, 77.2016, 85.2375



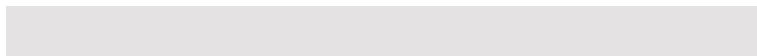
73.6814, 77.2016, 83.2211

Complementary

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



72.9726, 77.2016, 83.7284



73.0593, 76.4348, 83.5797

Split Complementary

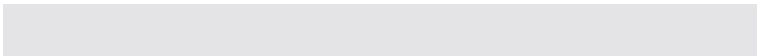
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7880, 77.2016, 83.7655



72.9726, 77.2016, 83.7284



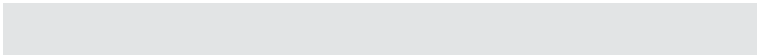
73.6719, 77.2016, 84.9308

Square

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



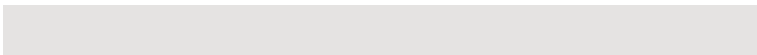
72.9726, 77.2016, 83.7284



73.2621, 77.2016, 85.2274



73.7845, 77.2016, 84.3913



73.4936, 77.2016, 82.9022

Rectangle

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



72.9726, 77.2016, 83.7284



73.0288, 77.2016, 84.7388



73.7845, 77.2016, 84.3913



73.7280, 77.2016, 83.3837

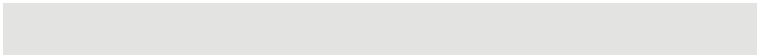
Sweetspot

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



72.9748, 77.2049, 83.7301

95.0500, 100.0000, 108.9000



73.1628, 77.3177, 83.0204



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

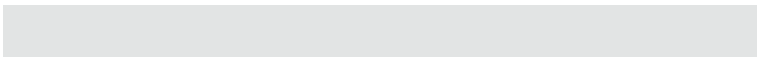
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9748, 77.2049, 83.7301



93.9130, 99.4376, 107.7768



73.1091, 77.2587, 84.4375



16.0373, 16.9742, 18.4030



17.8267, 32.7628, 14.8537



1.3642, 2.4398, 1.3445

Inverse Universe

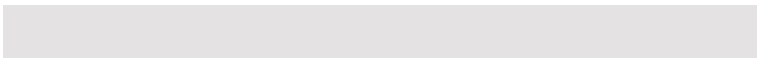
The Inverse Universe completely reimagines the original color for something new.



73.0593, 76.4348, 83.5797



94.0376, 98.3021, 107.5551



72.9257, 76.3814, 82.8762



16.0573, 16.7920, 18.3674



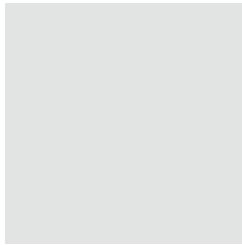
20.2958, 10.2525, 10.4526



1.5467, 0.7764, 1.0193

Previews

White Background



This preview shows how the XYZ color 72.9726, 77.2016, 83.7284 looks on a white background.

Color Contrast Check

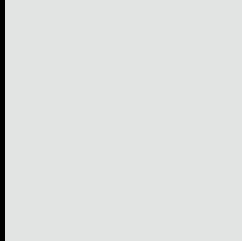
Large Text (above 18pt) WCAG AA × Fail

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 72.9726, 77.2016, 83.7284 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

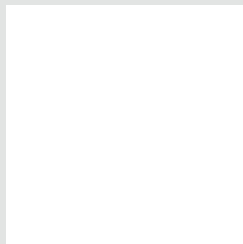
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9726, 77.2016, 83.7284

Background



This preview shows how black text looks on a background with the XYZ color 72.9726, 77.2016, 83.7284.



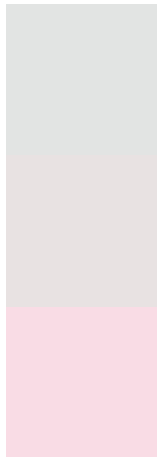
This preview shows how white text looks on a background with the XYZ color 72.9726, 77.2016,

83.7284.

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

72.9726, 77.2016, 83.7284

Protanopia

74.2025, 77.0395, 82.9107

Deuteranopia

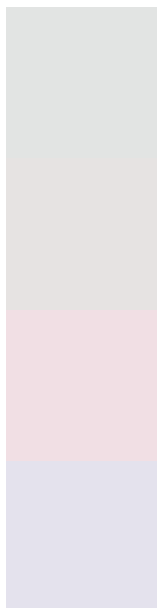
78.8030, 76.9833, 84.8346



Tritanopia

75.4160, 76.9795, 95.6777

Trichromacy



Original Color

72.9726, 77.2016, 83.7284

Protanomaly

73.8297, 77.2522, 82.9714

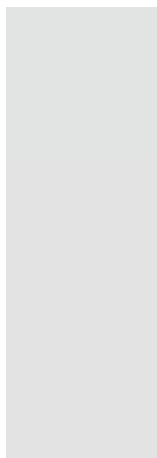
Deuteranomaly

76.6669, 77.0776, 84.2355

Tritanomaly

74.4773, 77.0011, 91.0581

Monochromacy



Original Color

72.9726, 77.2016, 83.7284

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.0128, 76.8151, 83.6517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9726, 77.2016, 83.7284 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(226, 228, 227) looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 227)  
}
```

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(226, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 227) }
```

Border

The CSS property to change the border of an element to XYZ 72.9726, 77.2016, 83.7284 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(226, 228, 227) }
```

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

```
.border{ border-color:rgb(226, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 227); box-shadow:4px 4px 4px 4px rgb(226, 228, 227) }
```


Background

The CSS property to change the background color of an element to XYZ 72.9726, 77.2016, 83.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 227) }
```

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

```
.background{ background-color: rgb(226,  
228, 227) }
```

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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