

Converting Colors

XYZ(72.3371, 76.8443, 78.8259)

Have a look what the booklet for
XYZ(72.3371, 76.8443, 78.8259)
contains.

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Color

**XYZ(72.3402, 76.9850,
78.7570)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E3E4DC |
| RGB | 227, 228, 220 |
| RGB Percent | 89%, 89%, 86% |
| CMY | 0.1098, 0.1059, 0.1372 |
| CMYK | 0.00, 0.00, 0.04, 0.11 |
| HSL | 68°, 13%, 88% |
| HSV | 68°, 4%, 89% |
| XYZ | 72.3402, 76.9850, 78.7570 |
| YIQ | 226.7890, 1.9720, -2.7000 |

Conversions

Conversions Part 2

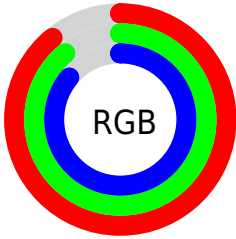
| Format | Color |
|-------------------------------------|---|
| RYB | 220, 228, 221 |
| Decimal | 14935260 |
| CIELab | 90.31, -1.74, 3.77 |
| CIElCh | 90, 4.154, 114.811 |
| Yxy | 76.9850, 0.3172, 0.3375 |
| Android (android.graphics.Color) | 4293125340 (0xFFE3E4DC) |
| YUV | 226.7890, -3.3470, 0.1850 |
| Hunter-Lab | 87.7411, -6.3784, 8.1997 |

Details

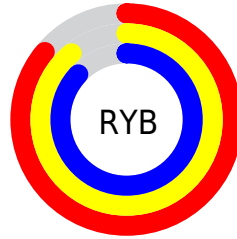
The XYZ color **72.3402, 76.9850, 78.7570** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4186, 72.1621, 83.6727**, and the grayscale version is **72.8847, 76.6804, 83.5050**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7484, 41.3744, 41.5411** is the 20% darker color. If you saturate the color by 10%, you get **68.6300, 75.4000, 63.8807**, and if you desaturate by 10%, it is **76.4816, 78.7491, 95.8066**.

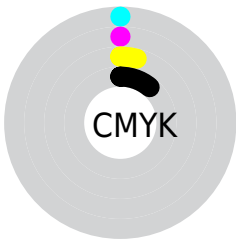
Distribution



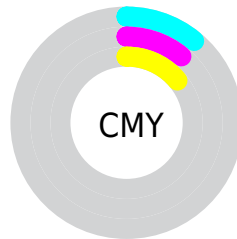
- Red (89%)
- Green (89%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3402, 76.9850, 78.7570 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 72.3402, 76.9850, 78.7570 by changing the saturation by 10% instead.

■ 72.3402, 76.9850,
78.7570

■ 72.3402, 76.9850,
78.7570

457.8641,
484.7129, 510.3298

■ 53.7231, 57.2406,
58.1759

121.5483,
129.1183, 133.4123

■ 38.6101, 41.1984,
41.5344

152.8699,
162.2760, 168.3235

■ 26.6359, 28.4742,
28.4141

189.1572,
200.6735, 208.8486

■ 17.4351, 18.6834,
18.3963

230.7753,
244.6953, 255.4060

■ 10.6424, 11.4417,
11.0625

278.0897,
294.7257, 308.4143

■ 5.8925, 6.3648,
5.9942

331.4657,

■ 2.8198, 3.0681,

351.1492, 368.2920

2.7728

391.2688,
414.3501, 435.4576

■ 1.0592, 1.1674,
0.9798

■ 0.0000, 0.0348,
0.0000

■ 72.3402, 76.9850,
78.7570

■ 72.3402, 76.9850,
78.7570

■ 68.6300, 75.4000,
63.8807

■ 76.4816, 78.7491,
95.8066

■ 65.3280, 73.9776,
51.0854

■ 79.3088, 79.9869,
105.8667

■ 62.4185, 72.7138,
40.2796

■ 80.2489, 80.4715,
105.9107

■ 59.8825, 71.6012,
31.3633

■ 81.2043, 80.9640,
105.9554

■ 57.6992, 70.6313,
24.2275

■ 82.1749, 81.4644,
106.0009

■ 55.8457, 69.7951,
18.7522

■ 83.1608, 81.9727,
106.0470

■ 54.2964, 69.0822,
14.8028

■ 84.1622, 82.4889,
106.0939

■ 53.0216, 68.4808,
12.2234

■ 85.1791, 83.0131,
106.1415

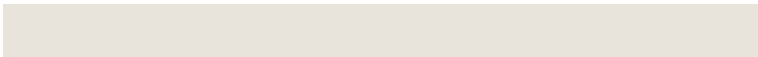
■ 51.9854, 67.9765,
10.8252

■ 86.2115, 83.5453,
106.1898

Harmonies

Analogous

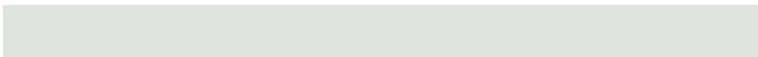
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3520, 76.9850, 78.2758



72.3402, 76.9850, 78.7570



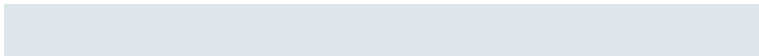
71.5579, 76.9850, 80.5825

Triad

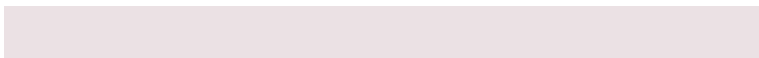
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3402, 76.9850, 78.7570



72.0313, 76.9850, 88.5672



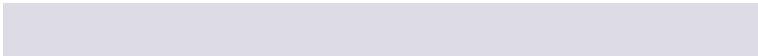
75.1714, 76.9850, 84.3400

Complementary

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



72.3402, 76.9850, 78.7570



69.4186, 72.1621, 83.6727

Split Complementary

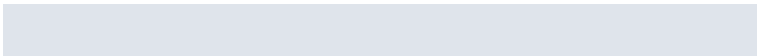
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8101, 76.9850, 87.1504



72.3402, 76.9850, 78.7570



72.9921, 76.9850, 89.6274

Square

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



72.3402, 76.9850, 78.7570



71.3808, 76.9850, 86.2375



74.0100, 76.9850, 89.1029



74.9928, 76.9850, 81.4551

Rectangle

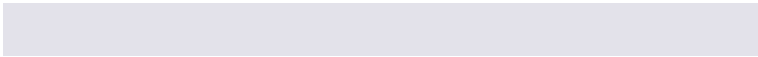
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3402, 76.9850, 78.7570



71.2685, 76.9850, 82.3395



74.0100, 76.9850, 89.1029



75.1089, 76.9850, 85.3254

Sweetspot

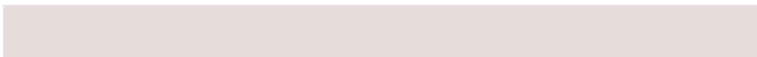
The Sweet Spot groups the original color and five complimentary colors.



72.3424, 76.9883, 78.7587



94.5245, 99.7762, 106.7465



70.7545, 73.3411, 78.1384



20.2377, 21.3586, 22.8708



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.



72.3424, 76.9883, 78.7587



92.9816, 99.1184, 100.4573



71.1163, 76.3563, 78.7013



15.8066, 16.8883, 16.8982



29.7504, 39.1184, 5.9826



2.2485, 2.9165, 0.4444

Inverse Universe

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



69.4186, 72.1621, 83.6727



88.6760, 92.0111, 107.6939



70.6298, 72.7865, 83.7294



14.9473, 15.4699, 18.3425



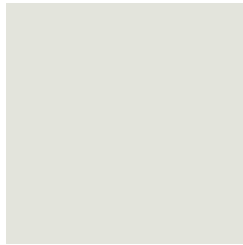
8.4259, 3.4096, 42.5972



0.6776, 0.2803, 3.1504

Previews

White Background



This preview shows how the XYZ color 72.3402, 76.9850, 78.7570 looks on a white background.

Color Contrast Check

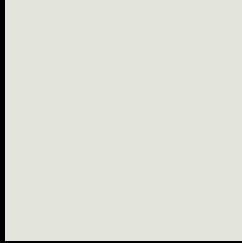
Large Text (above 18pt) WCAG AA × Fail

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 72.3402, 76.9850, 78.7570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

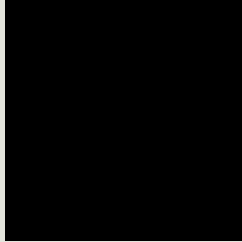
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

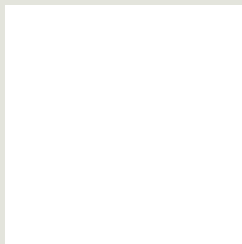
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3402, 76.9850, 78.7570

Background



This preview shows how black text looks on a background with the XYZ color 72.3402, 76.9850, 78.7570.

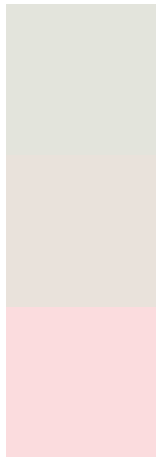


This preview shows how white text looks on a background with the XYZ color 72.3402, 76.9850,

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

72.3402, 76.9850, 78.7570

Protanopia

73.5868, 76.8308, 77.9692

Deuteranopia

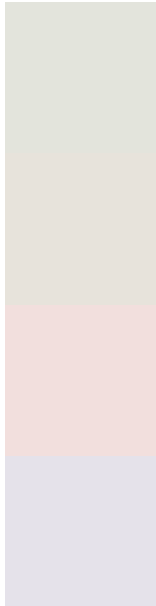
78.5617, 76.9696, 79.8232



Tritanopia

75.5854, 77.0842, 94.8994

Trichromacy



Original Color

72.3402, 76.9850, 78.7570

Protanomaly

73.2103, 77.0416, 78.0297

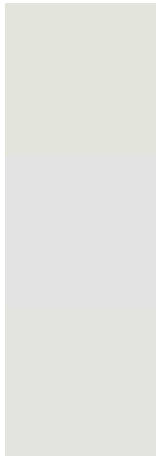
Deuteranomaly

76.0568, 76.8731, 79.2360

Tritanomaly

74.3607, 76.9912, 88.7835

Monochromacy



Original Color

72.3402, 76.9850, 78.7570

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.6022, 76.6509, 81.4896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3402, 76.9850, 78.7570 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(227, 228, 220) looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 220)  
}
```

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(227, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 220) }
```

Border

The CSS property to change the border of an element to XYZ 72.3402, 76.9850, 78.7570 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(227, 228, 220) }
```


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

```
.border{ border-color:rgb(227, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3402, 76.9850, 78.7570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 220) }
```

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

```
.background{ background-color: rgb(227,  
228, 220) }
```

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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