

Converting Colors

XYZ(72.3254, 76.3034, 80.7386)

Have a look what the booklet for
XYZ(72.3254, 76.3034, 80.7386)
contains.

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Color

**XYZ(72.1942, 76.0513,
80.6864)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E2DF
RGB	227, 226, 223
RGB Percent	89%, 89%, 87%
CMY	0.1098, 0.1137, 0.1255
CMYK	0.00, 0.00, 0.02, 0.11
HSL	45°, 7%, 88%
HSV	45°, 2%, 89%
XYZ	72.1942, 76.0513, 80.6864
YIQ	225.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

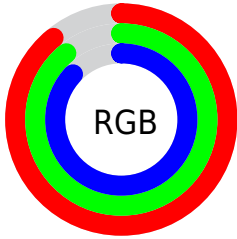
Format	Color
R_{YB}	224, 227, 223
Decimal	14934751
CIE Lab	89.88, -0.19, 1.57
CIE LCh	90, 1.583, 96.895
Yxy	76.0513, 0.3154, 0.3322
Android (android.graphics.Color)	4293124831 (0xFFE3E2DF)
YUV	225.9570, -1.4578, 0.9147
Hunter-Lab	87.2074, -4.8426, 6.1886

Details

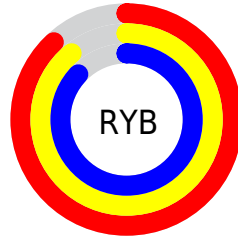
The XYZ color **72.1942, 76.0513, 80.6864** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9523, 74.5444, 83.3230**, and the grayscale version is **72.2689, 76.0325, 82.7994**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6441, 40.7236, 42.8695** is the 20% darker color. If you saturate the color by 10%, you get **67.8254, 71.8870, 65.1293**, and if you desaturate by 10%, it is **77.0283, 80.4877, 98.4248**.

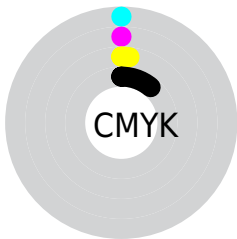
Distribution



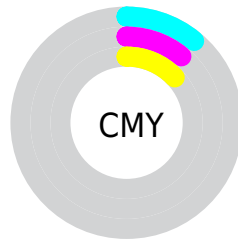
- Red (89%)
- Green (89%)
- Blue (87%)



- Red (88%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1942, 76.0513, 80.6864 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 72.1942, 76.0513, 80.6864 by changing the saturation by 10% instead.

■ 72.1942, 76.0513,
80.6864

■ 72.1942, 76.0513,
80.6864

457.3644,
481.5233, 517.0107

■ 53.6034, 56.4746,
59.7539

121.3419,
127.7994, 136.1504

■ 38.5141, 40.5835,
42.7963

152.6295,
160.7396, 171.5190

■ 26.5609, 27.9938,
29.3951

188.8800,
198.9031, 212.5367

■ 17.3786, 18.3210,
19.1318

230.4588,
242.6742, 259.6221

■ 10.6018, 11.1807,
11.5877

277.7313,
292.4374, 313.1936

■ 5.8650, 6.1885,
6.3445

331.0629,

■ 2.8031, 2.9600,

348.5770, 373.6699

2.9835

390.8188,
411.4775, 441.4694

■ 1.0505, 1.1109,
1.0862

■ 0.0000, 0.0000,
0.0000

■ 72.1942, 76.0513,
80.6864

■ 72.1942, 76.0513,
80.6864

■ 67.8254, 71.8870,
65.1293

■ 77.0283, 80.4877,
98.4248

■ 63.8989, 67.9775,
51.6631

■ 80.1034, 84.2999,
106.6574

■ 60.3990, 64.3181,
40.1981

■ 81.7689, 87.6309,
107.2125

■ 57.3067, 60.9006,
30.6366

■ 83.4865, 91.0661,
107.7850

■ 54.6012, 57.7158,
22.8723

■ 85.2566, 94.6063,
108.3751

■ 52.2601, 54.7538,
16.7883

■ 85.4890, 95.0711,
108.4526

■ 50.2579, 52.0037,
12.2544

■ 48.5658, 49.4531,
9.1204

■ 47.1491, 47.0873,
7.2065

Harmonies

Analogous

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



72.5801, 76.0513, 80.8410



72.1942, 76.0513, 80.6864



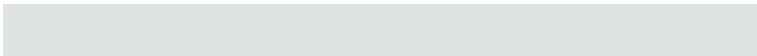
71.8338, 76.0513, 81.0958

Triad

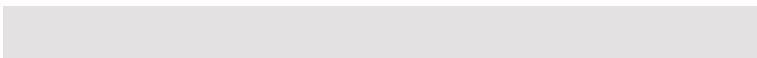
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1942, 76.0513, 80.6864



71.6845, 76.0513, 84.1071



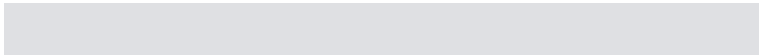
72.9786, 76.0513, 83.6553

Complementary

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



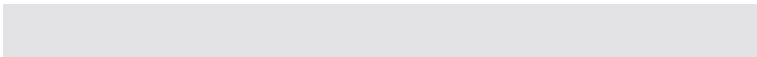
72.1942, 76.0513, 80.6864



70.9523, 74.5444, 83.3230

Split Complementary

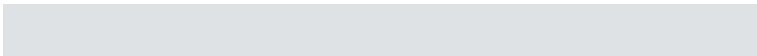
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7371, 76.0513, 84.5419



72.1942, 76.0513, 80.6864



71.9897, 76.0513, 84.8045

Square

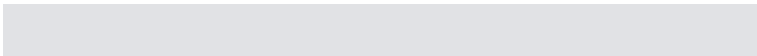
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



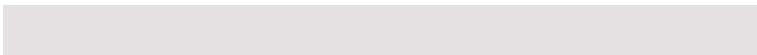
72.1942, 76.0513, 80.6864



71.5402, 76.0513, 83.0659



72.3748, 76.0513, 84.9643



73.0339, 76.0513, 82.5485

Rectangle

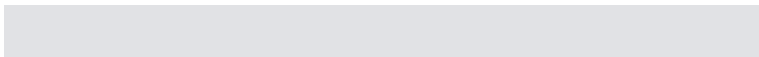
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1942, 76.0513, 80.6864



71.6561, 76.0513, 81.6358



72.3748, 76.0513, 84.9643



72.9165, 76.0513, 83.9892

Sweetspot

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



72.1963, 76.0546, 80.6881



94.4399, 99.4323, 106.6846



71.5219, 74.4893, 81.1304



20.2205, 21.2886, 22.8583



0.0000, 0.0000, 0.0000



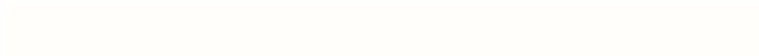
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1963, 76.0546, 80.6881



93.8358, 98.8682, 104.4981



72.1535, 76.4358, 80.7639



16.0249, 16.8829, 17.8765



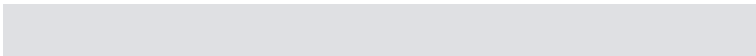
27.0069, 26.5879, 3.7086



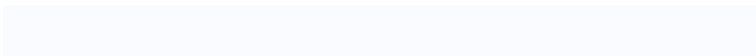
2.0680, 2.1093, 0.2981

Inverse Universe

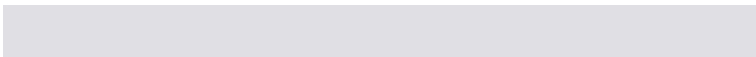
The Inverse Universe completely reimagines the original color for something new.



70.9523, 74.5444, 83.3230



91.9888, 96.6262, 108.4101



70.9944, 74.1699, 83.2485



15.7284, 16.5229, 18.5046



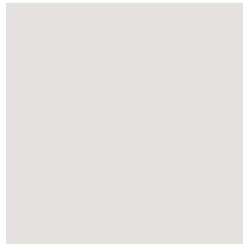
9.0038, 5.0697, 42.8872



0.7377, 0.5193, 3.1933

Previews

White Background



This preview shows how the XYZ color 72.1942, 76.0513, 80.6864 looks on a white background.

Color Contrast Check

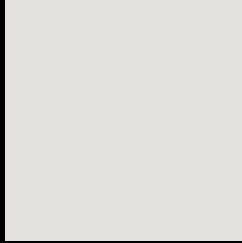
Large Text (above 18pt) WCAG AA × Fail

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 72.1942, 76.0513, 80.6864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

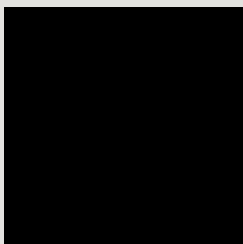
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

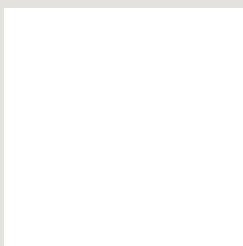
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1942, 76.0513, 80.6864

Background



This preview shows how black text looks on a background with the XYZ color 72.1942, 76.0513, 80.6864.



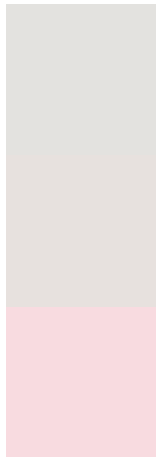
This preview shows how white text looks on a background with the XYZ color 72.1942, 76.0513,

80.6864.

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

72.1942, 76.0513, 80.6864

Protanopia

73.0650, 76.1133, 79.9476

Deuteranopia

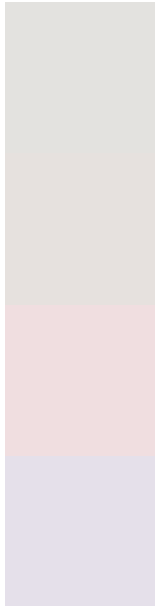
77.4975, 76.0013, 81.1062



Tritanopia

74.8980, 75.9492, 93.9312

Trichromacy



Original Color

72.1942, 76.0513, 80.6864

Protanomaly

72.7432, 75.9473, 79.9326

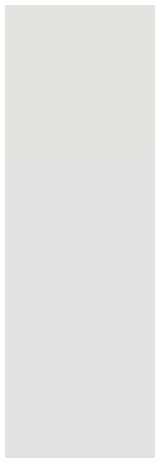
Deuteranomaly

75.5110, 76.1496, 81.2395

Tritanomaly

73.8200, 75.9098, 88.6032

Monochromacy



Original Color

72.1942, 76.0513, 80.6864

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.1510, 75.9977, 82.1004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1942, 76.0513, 80.6864 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, 226, 223) looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 223)  
}
```

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, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 223) }
```

Border

The CSS property to change the border of an element to XYZ 72.1942, 76.0513, 80.6864 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, 226, 223) }
```


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

```
.border{ border-color:rgb(227, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 226, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 226, 223); box-shadow:4px 4px 4px 4px rgb(227, 226, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1942, 76.0513, 80.6864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 223) }
```

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

```
.background{ background-color: rgb(227,  
226, 223) }
```

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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