

Converting Colors

XYZ(72.7732, 76.9513, 79.8439)

Have a look what the booklet for
XYZ(72.7732, 76.9513, 79.8439)
contains.

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Color

**XYZ(72.6488, 76.7061,
80.0840)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E3DE
RGB	228, 227, 222
RGB Percent	89%, 89%, 87%
CMY	0.1059, 0.1098, 0.1294
CMYK	0.00, 0.00, 0.03, 0.11
HSL	50°, 10%, 88%
HSV	50°, 3%, 89%
XYZ	72.6488, 76.7061, 80.0840
YIQ	226.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

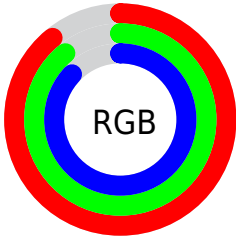
Format	Color
R _Y B	223, 228, 222
Decimal	15000542
CIE Lab	90.19, -0.54, 2.55
CIE LCh	90, 2.603, 101.989
Yxy	76.7061, 0.3166, 0.3343
Android (android.graphics.Color)	4293190622 (0xFFE4E3DE)
YUV	226.7290, -2.3314, 1.1147
Hunter-Lab	87.5820, -5.2038, 7.0933

Details

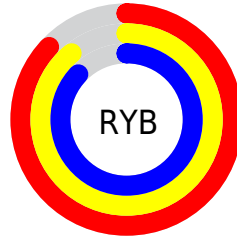
The XYZ color **72.6488, 76.7061, 80.0840** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5154, 73.9053, 83.9483**, and the grayscale version is **72.8339, 76.6270, 83.4468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9612, 41.1793, 42.4541** is the 20% darker color. If you saturate the color by 10%, you get **68.7745, 73.5209, 64.7217**, and if you desaturate by 10%, it is **76.9635, 80.1087, 97.6337**.

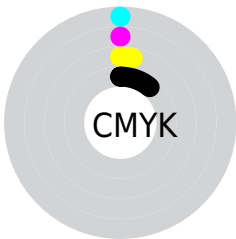
Distribution



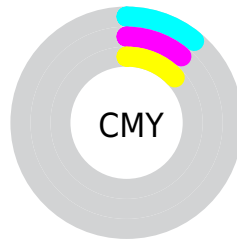
- Red (89%)
- Green (89%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6488, 76.7061, 80.0840 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 72.6488, 76.7061, 80.0840 by changing the saturation by 10% instead.

■ 72.6488, 76.7061,
80.0840

■ 72.6488, 76.7061,
80.0840

458.9194,
483.7614, 514.9301

■ 53.9762, 57.0117,
59.2609

121.9843,
128.7245, 135.2963

■ 38.8132, 41.0146,
42.4018

153.3780,
161.8173, 170.5226

■ 26.7945, 28.3305,
29.0881

189.7427,
200.1451, 211.3870

■ 17.5548, 18.5750,
18.9013

231.4438,
244.0921, 258.3081

■ 10.7285, 11.3636,
11.4229

278.8466,
294.0429, 311.7044

■ 5.9506, 6.3119,
6.2343

332.3166,

■ 2.8554, 3.0357,

350.3817, 371.9945

2.9170

392.2191,
413.4931, 439.5969

■ 1.0778, 1.1504,
1.0524

■ 0.0064, 0.0206,
0.0000

■ 72.6488, 76.7061,
80.0840

■ 72.6488, 76.7061,
80.0840

■ 68.7745, 73.5209,
64.7217

■ 76.9635, 80.1087,
97.6337

■ 65.3174, 70.5364,
51.4551

■ 79.6317, 82.8869,
106.4095

■ 62.2621, 67.7485,
40.1932

■ 80.7240, 85.0716,
106.7736

■ 59.5895, 65.1493,
30.8365

■ 81.8396, 87.3027,
107.1454

■ 57.2789, 62.7305,
23.2769

■ 82.9784, 89.5803,
107.5250

■ 55.3077, 60.4826,
17.3955

■ 84.1407, 91.9049,
107.9125

■ 53.6503, 58.3952,
13.0590

■ 85.3265, 94.2766,
108.3078

■ 52.2774, 56.4564,
10.1139

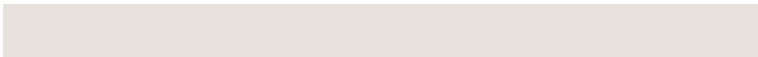
■ 85.8053, 95.2342,
108.4674

■ 51.1538, 54.6518,
8.3749

Harmonies

Analogous

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



73.2921, 76.7061, 80.1782



72.6488, 76.7061, 80.0840



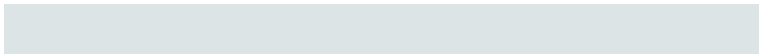
72.0780, 76.7061, 80.9004

Triad

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



72.6488, 76.7061, 80.0840



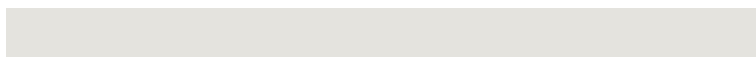
71.9864, 76.7061, 85.9255



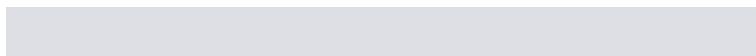
74.0960, 76.7061, 84.6260

Complementary

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



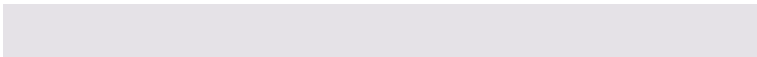
72.6488, 76.7061, 80.0840



70.5154, 73.9053, 83.9483

Split Complementary

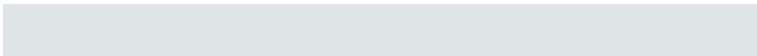
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7420, 76.7061, 86.1954



72.6488, 76.7061, 80.0840



72.5230, 76.7061, 86.9532

Square

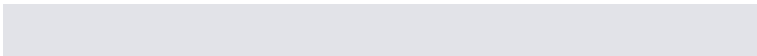
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6488, 76.7061, 80.0840



71.6970, 76.7061, 84.2620



73.1655, 76.7061, 87.0527



74.1302, 76.7061, 82.7822

Rectangle

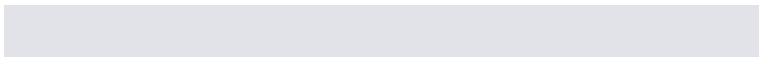
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



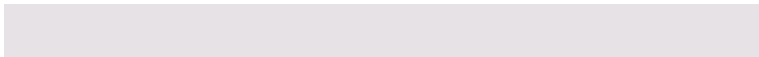
72.6488, 76.7061, 80.0840



71.8143, 76.7061, 81.8583



73.1655, 76.7061, 87.0527



74.0104, 76.7061, 85.2039

Sweetspot

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



72.6510, 76.7094, 80.0857



94.5072, 99.5671, 106.7071



71.4365, 74.0654, 80.3441



20.2342, 21.3160, 22.8628



0.0000, 0.0000, 0.0000



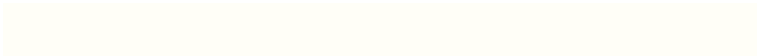
20.3446, 21.4041, 23.3091

Same Dimension

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



72.6510, 76.7094, 80.0857



93.4389, 98.7096, 102.4072



72.2933, 76.9305, 80.1472



15.8766, 16.7892, 17.2014



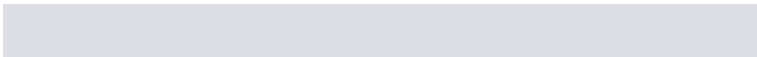
29.2028, 30.9798, 4.4405



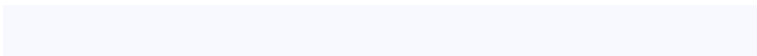
2.2123, 2.3980, 0.3463

Inverse Universe

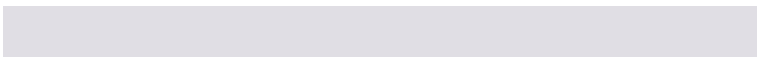
The Inverse Universe completely reimagines the original color for something new.



70.5154, 73.9053, 83.9483



90.2895, 94.5743, 108.1036



70.8664, 73.6925, 83.8887



15.2064, 15.9091, 18.4136



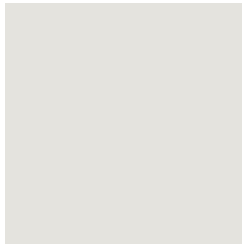
8.5410, 4.1441, 42.7329



0.6894, 0.4228, 3.1772

Previews

White Background



This preview shows how the XYZ color 72.6488, 76.7061, 80.0840 looks on a white background.

Color Contrast Check

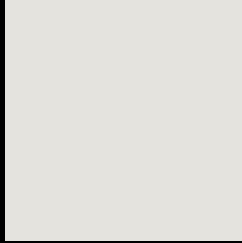
Large Text (above 18pt) WCAG AA × Fail

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 72.6488, 76.7061, 80.0840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

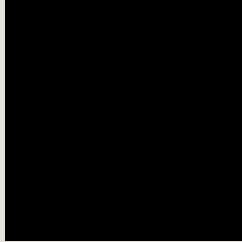
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

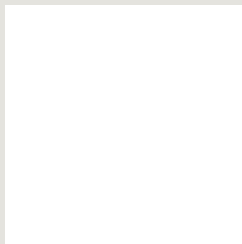
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6488, 76.7061, 80.0840

Background



This preview shows how black text looks on a background with the XYZ color 72.6488, 76.7061, 80.0840.

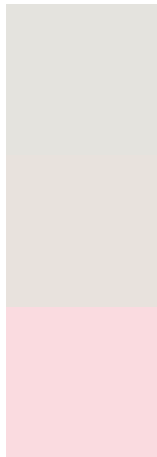


This preview shows how white text looks on a background with the XYZ color 72.6488, 76.7061,

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

72.6488, 76.7061, 80.0840

Protanopia

73.5262, 76.7690, 79.3493

Deuteranopia

78.2104, 76.3688, 81.1395



Tritanopia

75.6377, 76.7110, 94.8246

Trichromacy



Original Color

72.6488, 76.7061, 80.0840

Protanomaly

73.2025, 76.6021, 79.3341

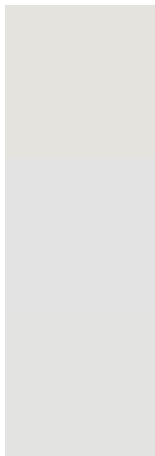
Deuteranomaly

76.0585, 76.4475, 80.5592

Tritanomaly

74.5537, 76.6716, 89.4670

Monochromacy



Original Color

72.6488, 76.7061, 80.0840

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7382, 76.7053, 82.2061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6488, 76.7061, 80.0840 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, 227, 222) looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 222)  
}
```

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, 227, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 222) }
```

Border

The CSS property to change the border of an element to XYZ 72.6488, 76.7061, 80.0840 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, 227, 222) }
```


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

```
.border{ border-color:rgb(228, 227, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6488, 76.7061, 80.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 222) }
```

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

```
.background{ background-color: rgb(228,  
227, 222) }
```

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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