

Converting Colors

XYZ(72.2246, 75.0257, 82.8160)

Have a look what the booklet for
XYZ(72.2246, 75.0257, 82.8160)
contains.

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Color

**XYZ(72.3780, 75.2963,
82.6704)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E0E2
RGB	228, 224, 226
RGB Percent	89%, 88%, 89%
CMY	0.1059, 0.1215, 0.1137
CMYK	0.00, 0.02, 0.01, 0.11
HSL	330°, 7%, 89%
HSV	330°, 2%, 89%
XYZ	72.3780, 75.2963, 82.6704
YIQ	225.4240, 1.7420, 1.4700

Conversions

Conversions Part 2

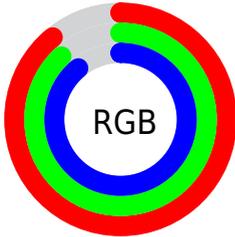
Format	Color
R _Y B	228, 224, 226
Decimal	14999778
CIE Lab	89.53, 1.71, -0.51
CIE LCh	90, 1.785, 343.543
Yxy	75.2963, 0.3142, 0.3269
Android (android.graphics.Color)	4293189858 (0xFFE4E0E2)
YUV	225.4240, 0.2840, 2.2592
Hunter-Lab	86.7734, -2.9661, 4.2549

Details

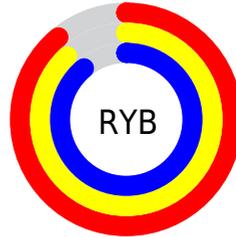
The XYZ color **72.3780, 75.2963, 82.6704** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2141, 76.8270, 82.9783**, and the grayscale version is **71.8721, 75.6150, 82.3448**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7722, 40.2004, 44.2440** is the 20% darker color. If you saturate the color by 10%, you get **65.1431, 63.2486, 72.7894**, and if you desaturate by 10%, it is **80.5431, 89.0355, 93.3774**.

Distribution



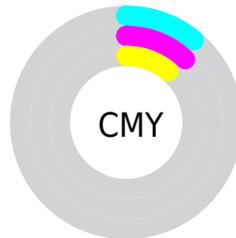
- Red (89%)
- Green (88%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3780, 75.2963, 82.6704 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 72.3780, 75.2963, 82.6704 by changing the saturation by 10% instead.

■ 72.3780, 75.2963,
82.6704

■ 72.3780, 75.2963,
82.6704

457.9935,
478.9354, 523.8296

■ 53.7541, 55.8557,
61.3793

121.6017,
126.7317, 138.9588

■ 38.6350, 40.0872,
44.0988

152.9322,
159.4953, 174.7932

■ 26.6553, 27.6065,
30.4104

189.2289,
197.4686, 216.3124

■ 17.4498, 18.0293,
19.8956

230.8572,
241.0360, 263.9350

■ 10.6530, 10.9710,
12.1359

278.1825,
290.5821, 318.0794

■ 5.8996, 6.0473,
6.7126

331.5700,

■ 2.8242, 2.8739,

346.4910, 379.1643

3.2073

391.3852,
409.1473, 447.6082

■ 1.0615, 1.0663,
1.2014

■ 0.0000, 0.0000,
0.0000

■ 72.3780, 75.2963,
82.6704

■ 72.3780, 75.2963,
82.6704

■ 65.1431, 63.2486,
72.7894

■ 80.5431, 89.0355,
93.3774

■ 58.7974, 52.8169,
63.7082

■ 84.8266, 94.8427,
103.3135

■ 53.3065, 43.9344,
55.4059

■ 85.8053, 95.2342,
108.4674

■ 48.6310, 36.5258,
47.8589

■ 44.7283, 30.5097,
41.0420

■ 41.5519, 25.7965,
34.9285

■ 39.0498, 22.2860,
29.4892

■ 37.1625, 19.8635,
24.6922

■ 35.8192, 18.3911,
20.5011

Harmonies

Analogous

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



72.1489, 75.2963, 83.7465



72.3780, 75.2963, 82.6704



72.3892, 75.2963, 81.4211

Triad

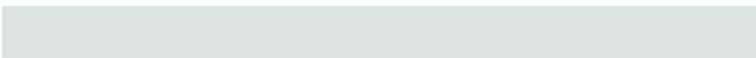
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3780, 75.2963, 82.6704



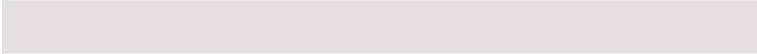
71.3697, 75.2963, 79.6611



70.9578, 75.2963, 83.6585

Complementary

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



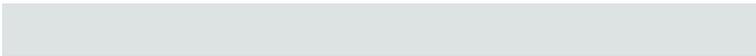
72.3780, 75.2963, 82.6704



72.2141, 76.8270, 82.9783

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.



70.7508, 75.2963, 82.5513



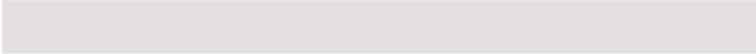
72.3780, 75.2963, 82.6704



70.9880, 75.2963, 80.2481

Square

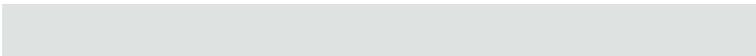
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3780, 75.2963, 82.6704



71.8058, 75.2963, 79.6923



70.7618, 75.2963, 81.3031



71.3284, 75.2963, 84.3210

Rectangle

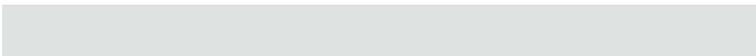
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



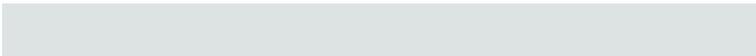
72.3780, 75.2963, 82.6704



72.2715, 75.2963, 80.6587



70.7618, 75.2963, 81.3031



70.8669, 75.2963, 83.3255

Sweetspot

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



72.3801, 75.2995, 82.6720



94.0371, 98.3019, 107.5521



72.0260, 75.0851, 84.0964



20.1385, 21.0585, 23.0348



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.



72.3801, 75.2995, 82.6720



93.0363, 96.6258, 106.2149



72.1078, 75.1906, 81.2377



15.8965, 16.5228, 18.1523



20.2852, 10.2483, 10.3969



1.5459, 0.7761, 1.0152

Inverse Universe

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



72.3801, 75.2995, 82.6720



93.0363, 96.6258, 106.2149



72.4897, 76.9372, 84.4295



15.8965, 16.5228, 18.1523



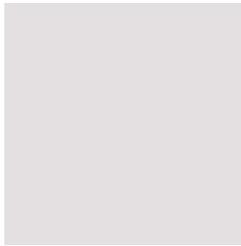
20.2852, 10.2483, 10.3969



1.5459, 0.7761, 1.0152

Previews

White Background



This preview shows how the XYZ color 72.3780, 75.2963, 82.6704 looks on a white background.

Color Contrast Check

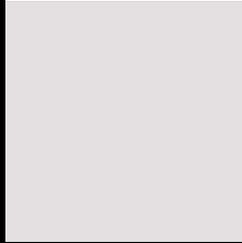
Large Text (above 18pt) WCAG AA × Fail

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 72.3780, 75.2963, 82.6704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

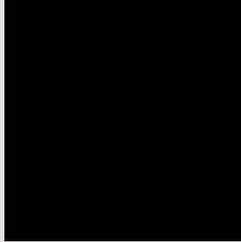
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

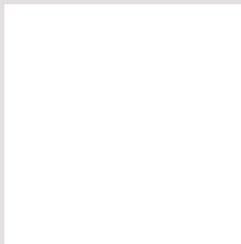
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3780, 75.2963, 82.6704

Background



This preview shows how black text looks on a background with the XYZ color 72.3780, 75.2963, 82.6704.

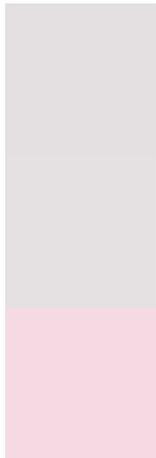


This preview shows how white text looks on a background with the XYZ color 72.3780, 75.2963,

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

72.3780, 75.2963, 82.6704

Protanopia

72.6962, 75.4603, 82.6853

Deuteranopia

76.9426, 75.2817, 83.1486



Tritanopia

74.3344, 75.2975, 92.2774

Trichromacy



Original Color

72.3780, 75.2963, 82.6704

Protanomaly

72.6962, 75.4603, 82.6853

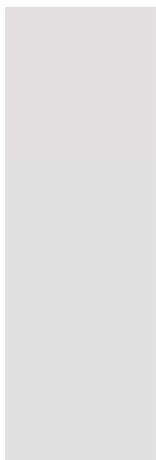
Deuteranomaly

75.0549, 75.0832, 83.2097

Tritanomaly

73.5521, 75.3739, 88.5139

Monochromacy



Original Color

72.3780, 75.2963, 82.6704

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.8799, 75.4554, 82.0100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3780, 75.2963, 82.6704 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, 224, 226) looks like.

```
.text, #text, p{  
    color:rgb(228, 224, 226)  
}
```

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, 224, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 224, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.3780, 75.2963, 82.6704 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, 224, 226) }
```

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

```
.border{ border-color:rgb(228, 224, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 224, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 224, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 224, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 224,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3780, 75.2963, 82.6704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 224, 226) }
```

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

```
.background{ background-color: rgb(228,  
224, 226) }
```

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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