

Converting Colors

XYZ(72.2822, 76.6433, 81.3841)

Have a look what the booklet for
XYZ(72.2822, 76.6433, 81.3841)
contains.

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Color

**XYZ(72.2877, 76.4887,
81.4748)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E3E0
RGB	226, 227, 224
RGB Percent	89%, 89%, 88%
CMY	0.1137, 0.1098, 0.1216
CMYK	0.00, 0.00, 0.01, 0.11
HSL	80°, 5%, 88%
HSV	80°, 1%, 89%
XYZ	72.2877, 76.4887, 81.4748
YIQ	226.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

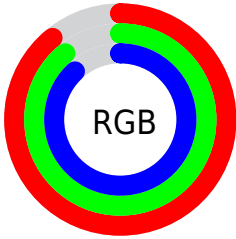
Format	Color
R_{YB}	224, 227, 225
Decimal	14869472
CIE Lab	90.09, -0.87, 1.33
CIE LCh	90, 1.590, 123.015
Yxy	76.4887, 0.3140, 0.3322
Android (android.graphics.Color)	4293059552 (0xFFE2E3E0)
YUV	226.3590, -1.1630, -0.3148
Hunter-Lab	87.4578, -5.5131, 5.9865

Details

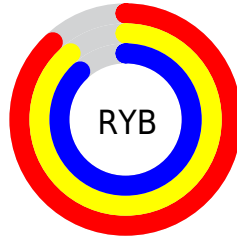
The XYZ color **72.2877, 76.4887, 81.4748** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5749, 74.8669, 83.3552**, and the grayscale version is **72.5583, 76.3370, 83.1310**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7085, 41.0275, 43.4151** is the 20% darker color. If you saturate the color by 10%, you get **67.0870, 74.1421, 66.2192**, and if you desaturate by 10%, it is **78.0090, 79.0605, 98.9035**.

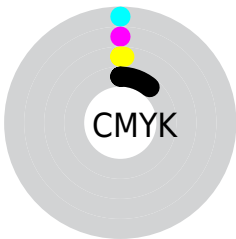
Distribution



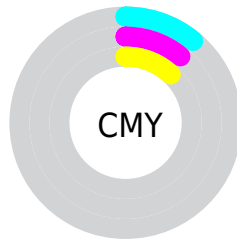
- Red (89%)
- Green (89%)
- Blue (88%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2877, 76.4887, 81.4748 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 72.2877, 76.4887, 81.4748 by changing the saturation by 10% instead.

■ 72.2877, 76.4887,
81.4748

■ 72.2877, 76.4887,
81.4748

457.6845,
483.0190, 519.7265

■ 53.6800, 56.8333,
60.3994

121.4741,
128.4175, 137.2673

■ 38.5756, 40.8714,
43.3133

152.7835,
161.4597, 172.8215

■ 26.6089, 28.2186,
29.7978

189.0575,
199.7329, 214.0391

■ 17.4148, 18.4905,
19.4344

230.6615,
243.6216, 261.3386

■ 10.6278, 11.3027,
11.8046

277.9609,
293.5102, 315.1386

■ 5.8826, 6.2708,
6.4898

331.3209,

■ 2.8138, 3.0105,

349.7830, 375.8575

3.0716

391.1070,
412.8245, 443.9139

■ 1.0561, 1.1372,
1.1313

■ 0.0000, 0.0095,
0.0000

■ 72.2877, 76.4887,
81.4748

■ 72.2877, 76.4887,
81.4748

■ 67.0870, 74.1421,
66.2192

■ 78.0090, 79.0605,
98.9035

■ 62.3830, 72.0038,
53.0465

■ 81.8544, 80.8919,
105.9072

■ 58.1591, 70.0694,
41.8675

■ 84.5002, 82.2558,
106.0311

■ 54.3956, 68.3308,
32.5848

■ 86.7605, 83.4211,
106.1368

■ 51.0709, 66.7792,
25.0926

■ 48.1615, 65.4051,
19.2749

■ 45.6414, 64.1979,
15.0018

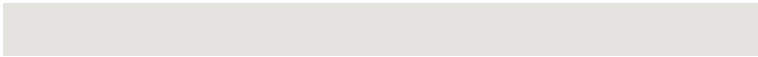
■ 43.4806, 63.1455,
12.1246

■ 41.6440, 62.2335,
10.4651

Harmonies

Analogous

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



72.6603, 76.4887, 81.1326



72.2877, 76.4887, 81.4748



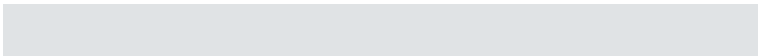
72.0263, 76.4887, 82.3013

Triad

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



72.2877, 76.4887, 81.4748



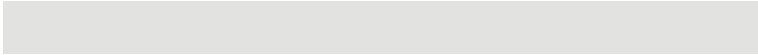
72.3566, 76.4887, 85.2341



73.4603, 76.4887, 83.1690

Complementary

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



72.2877, 76.4887, 81.4748



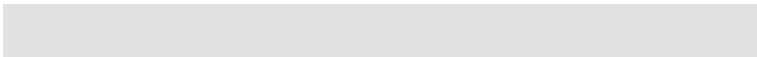
71.5749, 74.8669, 83.3552

Split Complementary

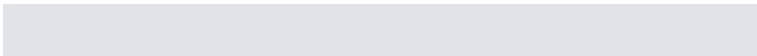
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3783, 76.4887, 84.2728



72.2877, 76.4887, 81.4748



72.7401, 76.4887, 85.4715

Square

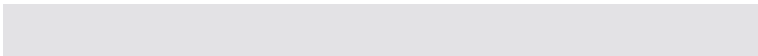
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



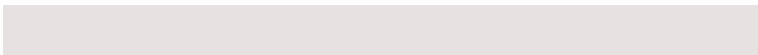
72.2877, 76.4887, 81.4748



72.0660, 76.4887, 84.4725



73.1143, 76.4887, 85.1181



73.3381, 76.4887, 82.1051

Rectangle

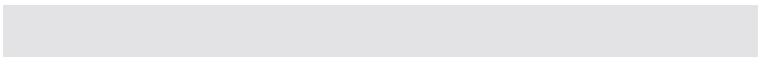
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



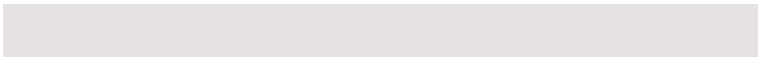
72.2877, 76.4887, 81.4748



71.9499, 76.4887, 83.0193



73.1143, 76.4887, 85.1181



73.4557, 76.4887, 83.5477

Sweetspot

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



72.2899, 76.4920, 81.4765

95.0500, 100.0000, 108.9000



72.0609, 75.5656, 81.3097



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.



72.2899, 76.4920, 81.4765



93.6155, 99.3541, 104.6035



71.8216, 76.2506, 81.4546



15.9895, 16.9608, 17.8934



23.6089, 35.9523, 5.6952



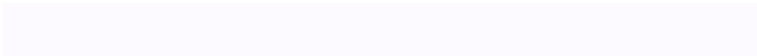
1.8422, 2.7071, 0.4254

Inverse Universe

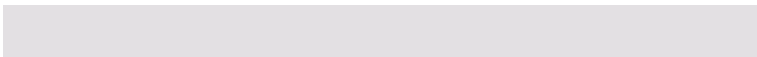
The Inverse Universe completely reimagines the original color for something new.



71.5749, 74.8669, 83.3552



92.2061, 96.1507, 108.3069



72.0445, 75.1090, 83.3772



15.7633, 16.4465, 18.4880



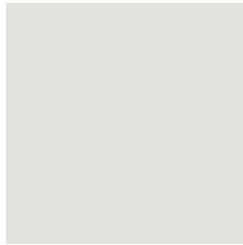
9.9279, 4.1839, 42.6675



0.8294, 0.3586, 3.1575

Previews

White Background



This preview shows how the XYZ color 72.2877, 76.4887, 81.4748 looks on a white background.

Color Contrast Check

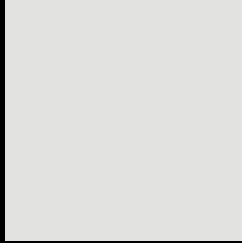
Large Text (above 18pt) WCAG AA × Fail

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 72.2877, 76.4887, 81.4748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

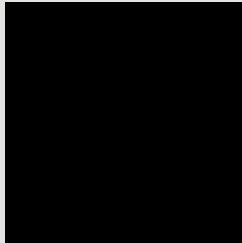
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

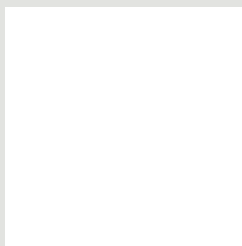
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2877, 76.4887, 81.4748

Background



This preview shows how black text looks on a background with the XYZ color 72.2877, 76.4887, 81.4748.



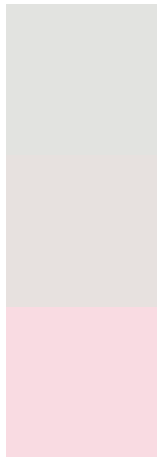
This preview shows how white text looks on a background with the XYZ color 72.2877, 76.4887,

81.4748.

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

72.2877, 76.4887, 81.4748

Protanopia

73.1995, 76.1671, 80.6557

Deuteranopia

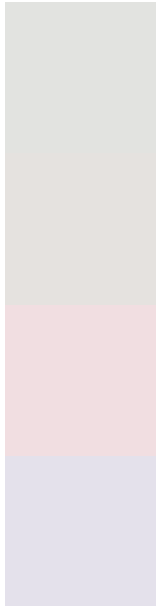
78.1259, 76.2938, 82.5600



Tritanopia

74.9958, 76.3801, 94.7945

Trichromacy



Original Color

72.2877, 76.4887, 81.4748

Protanomaly

72.8287, 76.3784, 80.7161

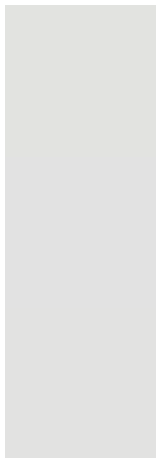
Deuteranomaly

75.9875, 76.3796, 81.9719

Tritanomaly

73.9155, 76.3426, 89.4371

Monochromacy



Original Color

72.2877, 76.4887, 81.4748

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 72.2877, 76.4887, 81.4748 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, 227, 224) looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 224)  
}
```

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, 227, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 224) }
```

Border

The CSS property to change the border of an element to XYZ 72.2877, 76.4887, 81.4748 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, 227, 224) }
```

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

```
.border{ border-color:rgb(226, 227, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 227, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
224) }
```


Background

The CSS property to change the background color of an element to XYZ 72.2877, 76.4887, 81.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 224) }
```

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

```
.background{ background-color: rgb(226,  
227, 224) }
```

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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