

Converting Colors

XYZ(72.2999, 73.5865, 87.3028)

Have a look what the booklet for
XYZ(72.2999, 73.5865, 87.3028)
contains.

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Color

**XYZ(72.2961, 73.5636,
87.4796)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DCE9
RGB	228, 220, 233
RGB Percent	89%, 86%, 91%
CMY	0.1059, 0.1372, 0.0863
CMYK	0.02, 0.06, 0.00, 0.09
HSL	277°, 23%, 89%
HSV	277°, 6%, 91%
XYZ	72.2961, 73.5636, 87.4796
YIQ	223.8740, 0.5950, 5.7390

Conversions

Conversions Part 2

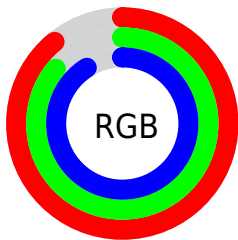
Format	Color
R _Y B	228, 220, 233
Decimal	14998761
CIE Lab	88.72, 5.06, -5.38
CIE LCh	89, 7.386, 313.202
Yxy	73.5636, 0.3098, 0.3153
Android (android.graphics.Color)	4293188841 (0xFFE4DCE9)
YUV	223.8740, 4.4991, 3.6185
Hunter-Lab	85.7692, 0.3640, -0.4339

Details

The XYZ color **72.2961, 73.5636, 87.4796** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1113, 79.4547, 79.1968**, and the grayscale version is **70.7320, 74.4156, 81.0386**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6245, 38.9688, 47.0810** is the 20% darker color. If you saturate the color by 10%, you get **63.8323, 60.7479, 85.4531**, and if you desaturate by 10%, it is **81.7639, 88.1661, 89.8003**.

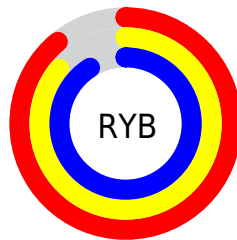
Distribution



Red (89%)

Green (86%)

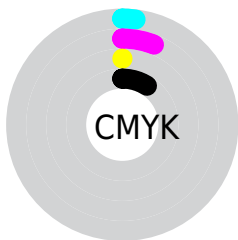
Blue (91%)



Red (89%)

Yellow (86%)

Blue (91%)

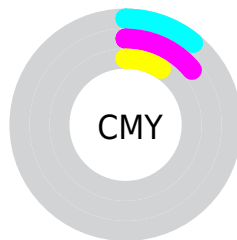


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (14%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2961, 73.5636, 87.4796 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 72.2961, 73.5636, 87.4796 by changing the saturation by 10% instead.

■ 72.2961, 73.5636,
87.4796

■ 72.2961, 73.5636,
87.4796

457.7132,
472.9658, 540.1546

■ 53.6869, 54.4369,
65.3303

121.4859,
124.2770, 145.7372

■ 38.5811, 38.9511,
47.2759

152.7973,
156.6325, 182.6826

■ 26.6133, 26.7217,
32.8979

189.0735,
194.1664, 225.3970

■ 17.4181, 17.3643,
21.7778

230.6797,
237.2631, 274.2991

■ 10.6302, 10.4946,
13.4969

277.9815,
286.3070, 329.8074

■ 5.8842, 5.7281,
7.6369

331.3441,

■ 2.8148, 2.6805,

341.6825, 392.3403

3.7791

391.1329,
403.7740, 462.3166

■ 1.0566, 0.9673,
1.5049

■ 0.0000, 0.0000,
0.2216

■ 72.2961, 73.5636,
87.4796

■ 72.2961, 73.5636,
87.4796

■ 63.8323, 60.7479,
85.4531

■ 81.7639, 88.1661,
89.8003

■ 56.3288, 49.6384,
83.7043

■ 88.4496, 96.9834,
91.1498

■ 49.7481, 40.1621,
82.2220

■ 91.6692, 98.6432,
91.3005

■ 44.0474, 32.2371,
80.9928

■ 91.7082, 98.6633,
91.3023

■ 39.1803, 25.7740,
80.0018

■ 35.0958, 20.6742,
79.2327

■ 31.7363, 16.8265,
78.6671

■ 29.0352, 14.1016,
78.2835

■ 26.9109, 12.3400,
78.0554

Harmonies

Analogous

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



70.7068, 73.5636, 90.0547



72.2961, 73.5636, 87.4796



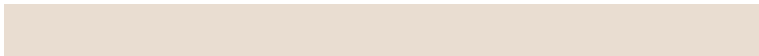
73.2576, 73.5636, 82.9729

Triad

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



72.2961, 73.5636, 87.4796



70.9166, 73.5636, 71.0514



66.6313, 73.5636, 82.3643

Complementary

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



72.2961, 73.5636, 87.4796



73.1113, 79.4547, 79.1968

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.



66.6853, 73.5636, 77.2908



72.2961, 73.5636, 87.4796



69.1390, 73.5636, 70.9041

Square

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



72.2961, 73.5636, 87.4796



72.4520, 73.5636, 73.5556



67.5965, 73.5636, 73.1443



67.4477, 73.5636, 87.0178

Rectangle

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



72.2961, 73.5636, 87.4796



73.4033, 73.5636, 79.5505



67.5965, 73.5636, 73.1443



66.5487, 73.5636, 80.6485

Sweetspot

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



72.2982, 73.5668, 87.4812



92.7264, 96.4188, 108.3312



71.2054, 75.0605, 87.8271



19.8716, 20.6751, 23.1933



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.



72.2982, 73.5668, 87.4812



87.1361, 87.8560, 106.9731



73.7226, 74.3224, 86.5822



15.4814, 15.5555, 19.1088



14.9511, 6.7435, 44.2566



1.2809, 0.5846, 3.4802

Inverse Universe

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



72.7907, 73.9497, 81.6752



87.8994, 88.4480, 98.0411



71.7480, 78.7319, 80.0351



15.6285, 15.6695, 17.3921



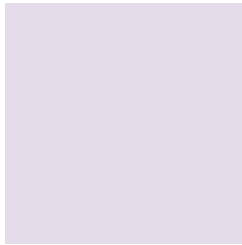
20.1624, 10.2676, 6.6565



1.6290, 0.8246, 0.7636

Previews

White Background



This preview shows how the XYZ color 72.2961, 73.5636, 87.4796 looks on a white background.

Color Contrast Check

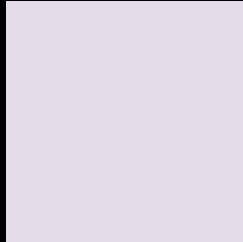
Large Text (above 18pt) WCAG AA × Fail

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 72.2961, 73.5636, 87.4796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

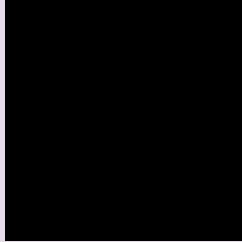
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

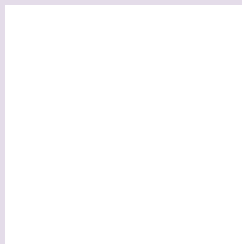
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2961, 73.5636, 87.4796

Background



This preview shows how black text looks on a background with the XYZ color 72.2961, 73.5636, 87.4796.

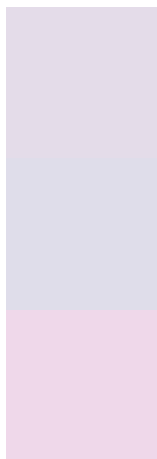


This preview shows how white text looks on a background with the XYZ color 72.2961, 73.5636,

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

72.2961, 73.5636, 87.4796

Protanopia

71.1392, 73.3414, 88.2488

Deuteranopia

75.0038, 73.4030, 88.0570



Tritanopia

72.9307, 73.4355, 90.4514

Trichromacy



Original Color

72.2961, 73.5636, 87.4796

Protanomaly

71.7591, 73.6610, 88.2778

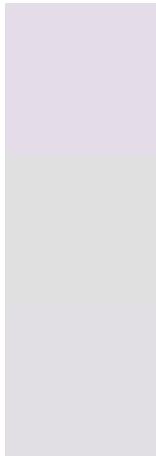
Deuteranomaly

73.9251, 73.2284, 88.0801

Tritanomaly

72.7849, 73.3772, 89.6839

Monochromacy



Original Color

72.2961, 73.5636, 87.4796

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.3041, 74.3290, 83.2618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2961, 73.5636, 87.4796 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, 220, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 233)  
}
```

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, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.2961, 73.5636, 87.4796 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, 220, 233) }
```


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

```
.border{ border-color:rgb(228, 220, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2961, 73.5636, 87.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 233) }
```

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

```
.background{ background-color: rgb(228,  
220, 233) }
```

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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