

Converting Colors

XYZ(73.0639, 70.8177, 87.7577)

Have a look what the booklet for
XYZ(73.0639, 70.8177, 87.7577)
contains.

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Color

**XYZ(72.9868, 70.8603,
87.6725)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD4EA
RGB	236, 212, 234
RGB Percent	93%, 83%, 92%
CMY	0.0745, 0.1686, 0.0823
CMYK	0.00, 0.10, 0.01, 0.07
HSL	305°, 39%, 88%
HSV	305°, 10%, 93%
XYZ	72.9868, 70.8603, 87.6725
YIQ	221.6840, 7.2420, 11.9300

Conversions

Conversions Part 2

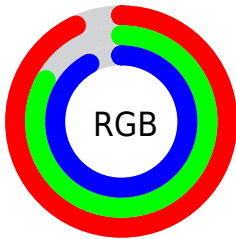
Format	Color
R _Y B	236, 212, 234
Decimal	15521002
CIE Lab	87.42, 12.10, -7.76
CIE LCh	87, 14.377, 327.335
Yxy	70.8603, 0.3153, 0.3061
Android (android.graphics.Color)	4293711082 (0xFFECD4EA)
YUV	221.6840, 6.0718, 12.5551
Hunter-Lab	84.1786, 7.4555, -2.8259

Details

The XYZ color **72.9868, 70.8603, 87.6725** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2871, 78.8449, 75.1887**, and the grayscale version is **69.1650, 72.7669, 79.2432**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9152, 37.0316, 47.2162** is the 20% darker color. If you saturate the color by 10%, you get **67.2328, 59.8011, 84.3687**, and if you desaturate by 10%, it is **79.6103, 83.6514, 91.2833**.

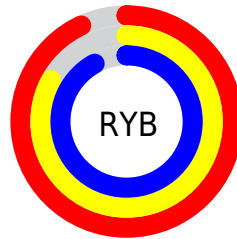
Distribution



Red (93%)

Green (83%)

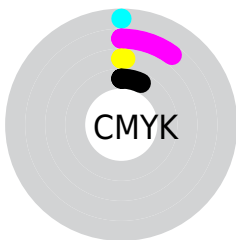
Blue (92%)



Red (93%)

Yellow (83%)

Blue (92%)

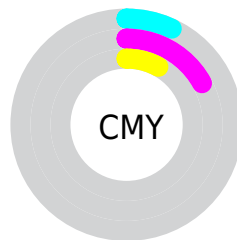


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (17%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9868, 70.8603, 87.6725 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 72.9868, 70.8603, 87.6725 by changing the saturation by 10% instead.

72.9868, 70.8603,
87.6725

72.9868, 70.8603,
87.6725

460.0736,
463.5649, 540.8036

54.2535, 52.2282,
65.4891

122.4617,
120.4348, 146.0082

39.0358, 37.1870,
47.4039

153.9340,
152.1460, 182.9977

26.9685, 25.3523,
32.9984

190.3834,
188.9856, 225.7595

17.6860, 16.3397,
21.8541

232.1752,
231.3382, 274.7122

10.8231, 9.7649,
13.5525

279.6747,
279.5880, 330.2745

6.0144, 5.2433,
7.6749

333.2474,

2.8946, 2.3907,

334.1194, 392.8648

3.8029

393.2586,
395.3170, 462.9017

■ 1.0983, 0.8211,
1.5178

■ 0.0237, 0.0000,
0.2312

■ 72.9868, 70.8603,
87.6725

■ 72.9868, 70.8603,
87.6725

■ 67.2328, 59.8011,
84.3687

■ 79.6103, 83.6514,
91.2833

■ 62.3049, 50.3901,
81.3549

■ 85.7757, 95.5224,
94.7560

■ 58.1652, 42.5504,
78.6192

■ 86.0662, 95.6386,
96.2861

■ 54.7703, 36.1954,
76.1471

■ 86.3600, 95.7561,
97.8328

52.0728, 31.2302,
73.9228

86.6569, 95.8748,
99.3963

50.0196, 27.5488,
71.9284

86.9570, 95.9949,
100.9766

48.5503, 25.0302,
70.1439

87.2603, 96.1162,
102.5737

47.5926, 23.5299,
68.5450

87.5668, 96.2388,
104.1877

47.0301, 22.8081,
67.1140

87.8765, 96.3627,
105.8186

Harmonies

Analogous

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



70.3875, 70.8603, 94.9497



72.9868, 70.8603, 87.6725



74.0721, 70.8603, 78.0259

Triad

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



72.9868, 70.8603, 87.6725



67.6541, 70.8603, 59.9732



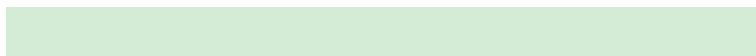
61.7259, 70.8603, 86.0459

Complementary

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



72.9868, 70.8603, 87.6725



69.2871, 78.8449, 75.1887

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.



61.0485, 70.8603, 76.2903



72.9868, 70.8603, 87.6725



64.4023, 70.8603, 61.7349

Square

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



72.9868, 70.8603, 87.6725



70.9294, 70.8603, 62.4859



62.0123, 70.8603, 67.5139



63.8943, 70.8603, 93.9566

Rectangle

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



72.9868, 70.8603, 87.6725



73.7647, 70.8603, 71.7266



62.0123, 70.8603, 67.5139



61.3195, 70.8603, 82.8502

Sweetspot

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



72.9889, 70.8634, 87.6740



92.5554, 95.1748, 107.5629



66.4184, 67.4428, 88.8751



19.6715, 20.1023, 22.9476



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.



72.9889, 70.8634, 87.6740



85.6453, 81.8434, 103.7528



71.3227, 70.1969, 78.9001



15.6575, 15.2909, 18.7477



25.9470, 12.5815, 37.1180



2.0535, 0.9944, 2.9990

Inverse Universe

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



72.9889, 70.8634, 87.6740



85.6453, 81.8434, 103.7528



70.8767, 79.4807, 83.5594



15.6575, 15.2909, 18.7477



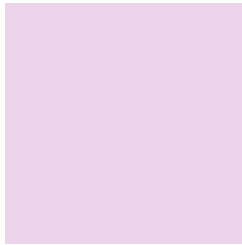
25.9470, 12.5815, 37.1180



2.0535, 0.9944, 2.9990

Previews

White Background



This preview shows how the XYZ color 72.9868, 70.8603, 87.6725 looks on a white background.

Color Contrast Check

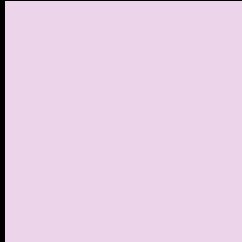
Large Text (above 18pt) WCAG AA × Fail

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 72.9868, 70.8603, 87.6725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

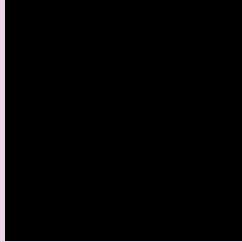
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.9868, 70.8603, 87.6725

Background



This preview shows how black text looks on a background with the XYZ color 72.9868, 70.8603, 87.6725.



This preview shows how white text looks on a background with the XYZ color 72.9868, 70.8603,

87.6725.

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

72.9868, 70.8603, 87.6725

Protanopia

69.4175, 71.2213, 90.9773

Deuteranopia

72.5772, 71.0214, 87.7252



Tritanopia

72.1981, 70.9078, 84.0101

Trichromacy



Original Color

72.9868, 70.8603, 87.6725

Protanomaly

70.8933, 71.2337, 90.1338

Deuteranomaly

72.9065, 71.1912, 87.7406

Tritanomaly

72.4790, 71.0202, 85.4895

Monochromacy



Original Color

72.9868, 70.8603, 87.6725

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.4774, 71.9647, 82.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9868, 70.8603, 87.6725 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(236, 212, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 234)  
}
```

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(236, 212, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 234) }
```

Border

The CSS property to change the border of an element to XYZ 72.9868, 70.8603, 87.6725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

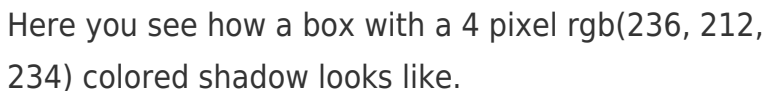
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 212, 234) }
```


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

```
.border{ border-color:rgb(236, 212, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 212, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 212, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 212, 234); box-shadow:4px 4px 4px 4px rgb(236, 212, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9868, 70.8603, 87.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 234) }
```

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

```
.background{ background-color: rgb(236,  
212, 234) }
```

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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