

Converting Colors

XYZ(72.2188, 71.9839, 87.1787)

Have a look what the booklet for
XYZ(72.2188, 71.9839, 87.1787)
contains.

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Color

**XYZ(72.2188, 71.9839,
87.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D8E9
RGB	231, 216, 233
RGB Percent	91%, 85%, 91%
CMY	0.0941, 0.1529, 0.0863
CMYK	0.01, 0.07, 0.00, 0.09
HSL	293°, 28%, 88%
HSV	293°, 7%, 91%
XYZ	72.2188, 71.9839, 87.1787
YIQ	222.4230, 3.4830, 8.4670

Conversions

Conversions Part 2

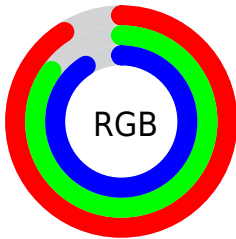
Format	Color
R _Y B	231, 216, 233
Decimal	15194345
CIE Lab	87.96, 8.15, -6.47
CIE LCh	88, 10.405, 321.538
Yxy	71.9839, 0.3121, 0.3111
Android (android.graphics.Color)	4293384425 (0xFFE7D8E9)
YUV	222.4230, 5.2145, 7.5220
Hunter-Lab	84.8433, 3.4637, -1.5317

Details

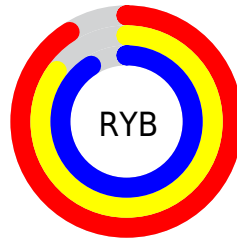
The XYZ color **72.2188, 71.9839, 87.1787** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.4498, 78.1431, 76.3395**, and the grayscale version is **69.6945, 73.3240, 79.8499**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3599, 37.7780, 46.8651** is the 20% darker color. If you saturate the color by 10%, you get **65.7903, 60.4295, 85.2884**, and if you desaturate by 10%, it is **79.5117, 85.2444, 89.3549**.

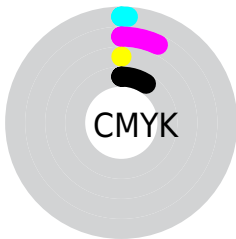
Distribution



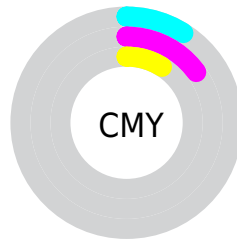
- Red (91%)
- Green (85%)
- Blue (91%)



- Red (91%)
- Yellow (85%)
- Blue (91%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2188, 71.9839, 87.1787 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 72.2188, 71.9839, 87.1787 by changing the saturation by 10% instead.

72.2188, 71.9839,
87.1787

72.2188, 71.9839,
87.1787

457.4486,
467.4856, 539.1413

53.6235, 53.1455,
65.0826

121.3767,
122.0336, 145.3143

38.5302, 37.9190,
47.0763

152.6700,
154.0138, 182.1908

26.5736, 25.9198,
32.7412

188.9267,
191.1433, 224.8313

17.3881, 16.7636,
21.6588

230.5122,
233.8066, 273.6542

10.6086, 10.0661,
13.4105

277.7917,
282.3881, 329.0782

5.8697, 5.4428,
7.5778

331.1308,

2.8059, 2.5094,

337.2722, 391.5216

3.7421

390.8946,
398.8432, 461.4032

■ 1.0520, 0.8813,
1.4850

■ 0.0000, 0.0000,
0.2067

■ 72.2188, 71.9839,
87.1787

■ 72.2188, 71.9839,
87.1787

■ 65.7903, 60.4295,
85.2884

■ 79.5117, 85.2444,
89.3549

■ 60.1845, 50.5011,
83.6674

■ 85.2216, 95.3193,
90.9986

■ 55.3655, 42.1258,
82.3048

■ 86.1416, 95.7936,
91.0417

■ 51.2923, 35.2217,
81.1869

■ 87.0756, 96.2751,
91.0854

47.9200, 29.6993,
80.2987

88.0237, 96.7639,
91.1298

45.1989, 25.4594,
79.6237

88.9860, 97.2599,
91.1748

43.0728, 22.3892,
79.1432

89.9625, 97.7633,
91.2205

41.4755, 20.3568,
78.8351

90.9533, 98.2741,
91.2669

40.3201, 19.1883,
78.6704

91.7082, 98.6633,
91.3022

Harmonies

Analogous

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



70.1832, 71.9839, 91.7730



72.2188, 71.9839, 87.1787



73.2419, 71.9839, 80.4041

Triad

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



72.2188, 71.9839, 87.1787



69.1223, 71.9839, 65.6373



64.0802, 71.9839, 83.4969

Complementary

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



72.2188, 71.9839, 87.1787



70.4498, 78.1431, 76.3395

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.



63.8117, 71.9839, 76.3867



72.2188, 71.9839, 87.1787



66.6837, 71.9839, 66.3547

Square

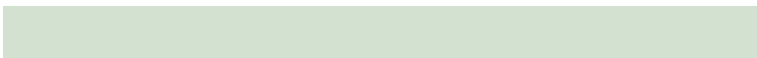
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2188, 71.9839, 87.1787



71.4261, 71.9839, 68.1685



64.7540, 71.9839, 70.1909



65.4966, 71.9839, 89.5596

Rectangle

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



72.2188, 71.9839, 87.1787



73.1954, 71.9839, 75.6796



64.7540, 71.9839, 70.1909



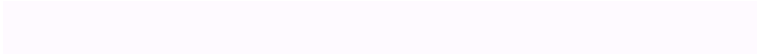
63.8541, 71.9839, 81.1402

Sweetspot

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



72.2209, 71.9870, 87.1803



93.2241, 96.6754, 108.3545



68.1706, 70.7669, 87.1582



19.9729, 20.7273, 23.1980



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.



72.2209, 71.9870, 87.1803



87.1740, 85.7127, 106.5574



71.9954, 71.9718, 82.6038



15.5302, 15.2186, 19.0412



22.7917, 10.7855, 44.6235



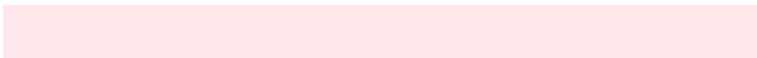
1.8391, 0.8724, 3.5063

Inverse Universe

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



70.8176, 71.5007, 76.4021



85.0701, 84.9851, 90.3287



70.6765, 78.1651, 80.6365



15.1376, 15.0829, 16.0097



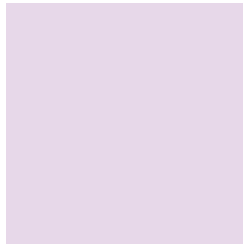
19.2060, 9.8851, 1.6202



1.5318, 0.7857, 0.2519

Previews

White Background



This preview shows how the XYZ color 72.2188, 71.9839, 87.1787 looks on a white background.

Color Contrast Check

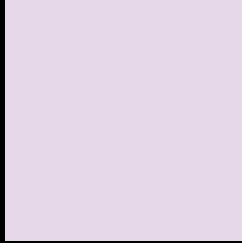
Large Text (above 18pt) WCAG AA × Fail

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 72.2188, 71.9839, 87.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

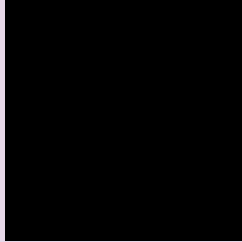
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

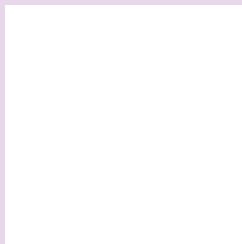
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2188, 71.9839, 87.1787

Background



This preview shows how black text looks on a background with the XYZ color 72.2188, 71.9839, 87.1787.



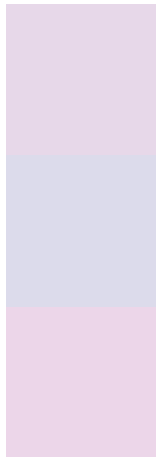
This preview shows how white text looks on a background with the XYZ color 72.2188, 71.9839,

87.1787.

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

72.2188, 71.9839, 87.1787

Protanopia

69.8421, 71.8768, 88.7898

Deuteranopia

73.3466, 71.8092, 87.0856



Tritanopia

72.2188, 71.9839, 87.1787

Trichromacy



Original Color

72.2188, 71.9839, 87.1787

Protanomaly

70.6632, 71.9306, 88.0016

Deuteranomaly

72.9401, 71.9765, 87.1393

Tritanomaly

72.2188, 71.9839, 87.1787

Monochromacy



Original Color

72.2188, 71.9839, 87.1787

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.3720, 72.6849, 82.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2188, 71.9839, 87.1787 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(231, 216, 233) looks like.

```
.text, #text, p{  
    color:rgb(231, 216, 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(231, 216, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 216, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.2188, 71.9839, 87.1787 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(231, 216, 233) }
```


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

```
.border{ border-color:rgb(231, 216, 233) }
```

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

Here you see how a box with a 4 pixel rgb(231, 216, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 216, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 216, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 216,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2188, 71.9839, 87.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 216, 233) }
```

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

```
.background{ background-color: rgb(231,  
216, 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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