

Converting Colors

XYZ(71.9450, 72.3599, 87.4864)

Have a look what the booklet for
XYZ(71.9450, 72.3599, 87.4864)
contains.

XYZ(71.8339, 72.1669, 87.2343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.8339, 72.1669,
87.2343)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D9E9
RGB	229, 217, 233
RGB Percent	90%, 85%, 91%
CMY	0.1020, 0.1490, 0.0863
CMYK	0.02, 0.07, 0.00, 0.09
HSL	285°, 27%, 88%
HSV	285°, 7%, 91%
XYZ	71.8339, 72.1669, 87.2343
YIQ	222.4120, 2.0160, 7.5200

Conversions

Conversions Part 2

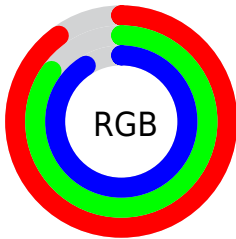
Format	Color
R _Y B	229, 217, 233
Decimal	15063529
CIE Lab	88.05, 6.96, -6.36
CIE LCh	88, 9.425, 317.564
Yxy	72.1669, 0.3107, 0.3121
Android (android.graphics.Color)	4293253609 (0xFFE5D9E9)
YUV	222.4120, 5.2199, 5.7777
Hunter-Lab	84.9511, 2.2736, -1.4177

Details

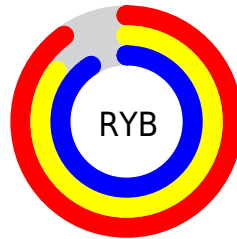
The XYZ color **71.8339, 72.1669, 87.2343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4848, 78.6616, 77.0648**, and the grayscale version is **69.6874, 73.3166, 79.8417**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3117, 38.0137, 46.9131** is the 20% darker color. If you saturate the color by 10%, you get **64.4199, 60.0516, 85.2877**, and if you desaturate by 10%, it is **80.1624, 86.0163, 89.4696**.

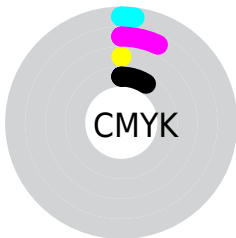
Distribution



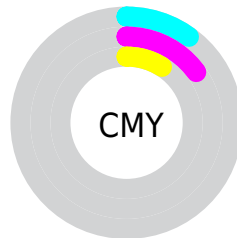
- Red (90%)
- Green (85%)
- Blue (91%)



- Red (90%)
- Yellow (85%)
- Blue (91%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8339, 72.1669, 87.2343 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 71.8339, 72.1669, 87.2343 by changing the saturation by 10% instead.

71.8339, 72.1669,
87.2343

71.8339, 72.1669,
87.2343

456.1299,
468.1223, 539.3287

53.3080, 53.2950,
65.1284

120.8324,
122.2938, 145.3924

38.2771, 38.0383,
47.1132

152.0358,
154.3176, 182.2817

26.3761, 26.0124,
32.7702

188.1956,
191.4942, 224.9359

17.2393, 16.8330,
21.6808

229.6773,
234.2079, 273.7734

10.5016, 10.1155,
13.4264

276.8462,
282.8432, 329.2130

5.7976, 5.4756,
7.5887

330.0677,

2.7619, 2.5289,

337.7844, 391.6730

3.7489

389.7071,
399.4160, 461.5720

■ 1.0291, 0.8911,
1.4886

■ 0.0000, 0.0000,
0.2094

■ 71.8339, 72.1669,
87.2343

■ 71.8339, 72.1669,
87.2343

■ 64.4199, 60.0516,
85.2877

■ 80.1624, 86.0163,
89.4696

■ 57.8781, 49.5901,
83.6132

■ 86.6258, 96.0432,
91.0644

■ 52.1722, 40.7096,
82.1998

■ 88.6429, 97.0831,
91.1588

■ 47.2608, 33.3281,
81.0339

■ 90.7242, 98.1560,
91.2562

■ 43.0986, 27.3562,
80.1006

■ 91.7082, 98.6633,
91.3022

■ 39.6358, 22.6948,
79.3833

■ 36.8156, 19.2317,
78.8635

■ 34.5718, 16.8355,
78.5193

■ 32.8200, 15.3379,
78.3225

Harmonies

Analogous

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



69.9058, 72.1669, 90.9866



71.8339, 72.1669, 87.2343



72.9028, 72.1669, 81.2748

Triad

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



71.8339, 72.1669, 87.2343



69.5280, 72.1669, 67.0928



64.5516, 72.1669, 82.3746

Complementary

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



71.8339, 72.1669, 87.2343



71.4848, 78.6616, 77.0648

Split Complementary

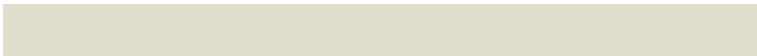
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4555, 72.1669, 75.9405



71.8339, 72.1669, 87.2343



67.2957, 72.1669, 67.3513

Square

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



71.8339, 72.1669, 87.2343



71.5521, 72.1669, 69.7866



65.4501, 72.1669, 70.5132



65.7156, 72.1669, 88.0772

Rectangle

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



71.8339, 72.1669, 87.2343



72.9693, 72.1669, 76.9584



65.4501, 72.1669, 70.5132



64.3943, 72.1669, 80.2192

Sweetspot

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



71.8360, 72.1700, 87.2359



92.9769, 96.5480, 108.3430



69.2531, 72.4919, 87.4341



19.9226, 20.7014, 23.1957



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.



71.8360, 72.1700, 87.2359



87.0321, 86.7132, 106.7580



72.5994, 72.6245, 84.5173



15.3256, 15.1131, 19.0316



18.4629, 8.5539, 44.4209



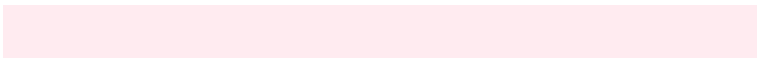
1.5366, 0.7165, 3.4922

Inverse Universe

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



71.4708, 72.1731, 78.5741



86.5177, 86.7214, 94.3844



70.7724, 78.2376, 79.5948



15.2200, 15.1158, 16.4436



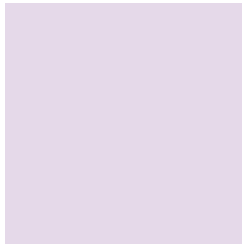
19.5467, 10.0214, 3.4143



1.5725, 0.8020, 0.4660

Previews

White Background



This preview shows how the XYZ color 71.8339, 72.1669, 87.2343 looks on a white background.

Color Contrast Check

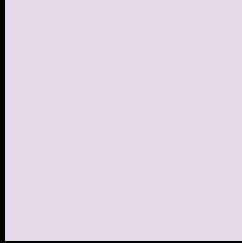
Large Text (above 18pt) WCAG AA × Fail

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 71.8339, 72.1669, 87.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

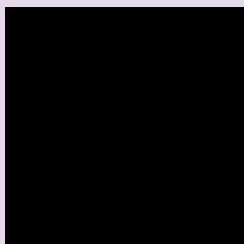
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

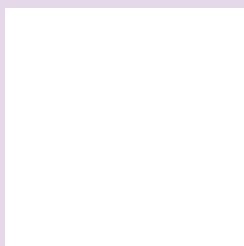
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8339, 72.1669, 87.2343

Background



This preview shows how black text looks on a background with the XYZ color 71.8339, 72.1669, 87.2343.

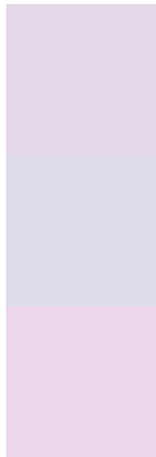


This preview shows how white text looks on a background with the XYZ color 71.8339, 72.1669,

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

71.8339, 72.1669, 87.2343

Protanopia

70.4074, 72.5567, 88.8912

Deuteranopia

73.8229, 72.0382, 87.8558



Tritanopia

71.9772, 72.2242, 87.9890

Trichromacy



Original Color

71.8339, 72.1669, 87.2343

Protanomaly

70.9233, 72.4508, 88.0883

Deuteranomaly

73.0834, 72.0338, 87.8939

Tritanomaly

71.9772, 72.2242, 87.9890

Monochromacy



Original Color

71.8339, 72.1669, 87.2343

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 71.8339, 72.1669, 87.2343 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(229, 217, 233) looks like.

```
.text, #text, p{  
    color:rgb(229, 217, 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(229, 217, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 217, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.8339, 72.1669, 87.2343 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(229, 217, 233) }
```


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

```
.border{ border-color:rgb(229, 217, 233) }
```

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

Here you see how a box with a 4 pixel rgb(229, 217, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 217, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 217, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 217,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8339, 72.1669, 87.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 217, 233) }
```

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

```
.background{ background-color: rgb(229,  
217, 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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