

Converting Colors

XYZ(70.9980, 73.2872, 87.4958)

Have a look what the booklet for
XYZ(70.9980, 73.2872, 87.4958)
contains.

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Color

**XYZ(70.9959, 73.2841,
87.4942)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDDE9
RGB	223, 221, 233
RGB Percent	87%, 87%, 91%
CMY	0.1255, 0.1333, 0.0863
CMYK	0.04, 0.05, 0.00, 0.09
HSL	250°, 21%, 89%
HSV	250°, 5%, 91%
XYZ	70.9959, 73.2841, 87.4942
YIQ	222.9660, -2.6600, 4.1560

Conversions

Conversions Part 2

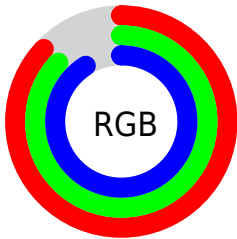
Format	Color
R _Y B	223, 221, 233
Decimal	14671337
CIE Lab	88.58, 2.88, -5.62
CIE LCh	89, 6.316, 297.086
Yxy	73.2841, 0.3063, 0.3162
Android (android.graphics.Color)	4292861417 (0xFFDFDDE9)
YUV	222.9660, 4.9468, 0.0298
Hunter-Lab	85.6061, -1.7750, -0.6734

Details

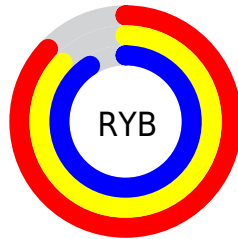
The XYZ color **70.9959, 73.2841, 87.4942** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.1478, 80.4892, 79.9855**, and the grayscale version is **70.0843, 73.7341, 80.2965**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7205, 38.7716, 47.0906** is the 20% darker color. If you saturate the color by 10%, you get **59.6217, 58.9148, 85.3212**, and if you desaturate by 10%, it is **83.9146, 89.7210, 89.9871**.

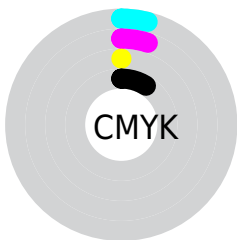
Distribution



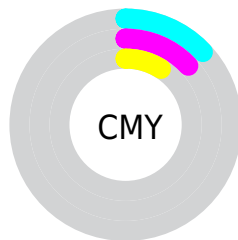
- Red (87%)
- Green (87%)
- Blue (91%)



- Red (87%)
- Yellow (87%)
- Blue (91%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9959, 73.2841, 87.4942 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 70.9959, 73.2841, 87.4942 by changing the saturation by 10% instead.

■ 70.9959, 73.2841,
87.4942

■ 70.9959, 73.2841,
87.4942

453.2512,
471.9989, 540.2037

■ 52.6214, 54.2083,
65.3423

119.6464,
123.8804, 145.7577

■ 37.7269, 38.7682,
47.2856

150.6532,
156.1698, 182.7064

■ 25.9470, 26.5795,
32.9055

186.6013,
193.6324, 225.4244

■ 16.9165, 17.2576,
21.7836

227.8563,
236.6527, 274.3304

■ 10.2699, 10.4184,
13.5011

274.7834,
285.6151, 329.8427

■ 5.6419, 5.6772,
7.6398

327.7480,

■ 2.6672, 2.6498,

340.9040, 392.3800

3.7809

387.1155,
402.9038, 462.3609

■ 0.9803, 0.9518,
1.5059

■ 0.0000, 0.0000,
0.2223

■ 70.9959, 73.2841,
87.4942

■ 70.9959, 73.2841,
87.4942

■ 59.6217, 58.9148,
85.3212

■ 83.9146, 89.7210,
89.9871

■ 49.7274, 46.5219,
83.4507

■ 91.7082, 98.6633,
91.3023

■ 41.2536, 36.0212,
81.8704

■ 34.1341, 27.3189,
80.5660

■ 28.2975, 20.3131,
79.5213

■ 23.6655, 14.8915,
78.7190

■ 20.1512, 10.9282,
78.1392

■ 17.6554, 8.2776,
77.7592

■ 16.0598, 6.7629,
77.5509

Harmonies

Analogous

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



69.5056, 73.2841, 88.4641



70.9959, 73.2841, 87.4942



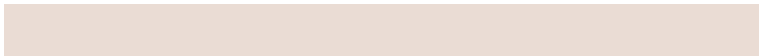
72.1411, 73.2841, 84.4373

Triad

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



70.9959, 73.2841, 87.4942



71.2573, 73.2841, 72.9601



66.7712, 73.2841, 79.3684

Complementary

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



70.9959, 73.2841, 87.4942



75.1478, 80.4892, 79.9855

Split Complementary

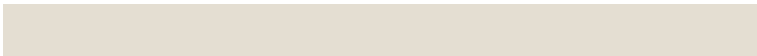
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2254, 73.2841, 75.3240



70.9959, 73.2841, 87.4942



69.8033, 73.2841, 71.7096

Square

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



70.9959, 73.2841, 87.4942



72.2936, 73.2841, 76.0368



68.3298, 73.2841, 72.5592



67.0801, 73.2841, 83.6729

Rectangle

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



70.9959, 73.2841, 87.4942



72.5471, 73.2841, 81.6825



68.3298, 73.2841, 72.5592



66.8395, 73.2841, 77.9347

Sweetspot

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



70.9980, 73.2872, 87.4958



91.8978, 95.9917, 108.2925



73.1611, 78.5213, 88.3921



19.7029, 20.5882, 23.1854



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.



70.9980, 73.2872, 87.4958



85.8244, 88.2846, 107.1249



72.8163, 74.2246, 87.5809



15.1939, 15.5920, 19.1310



8.8849, 3.6163, 43.9727



0.7669, 0.3196, 3.4562

Inverse Universe

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



73.8871, 74.8094, 86.1504



89.9545, 90.4608, 105.1924



73.3062, 79.5398, 79.8994



16.0031, 16.0184, 18.7511



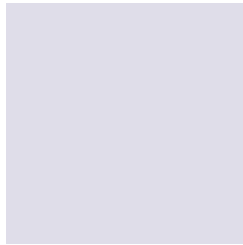
24.6470, 12.0615, 30.2723



1.9640, 0.9586, 2.5277

Previews

White Background



This preview shows how the XYZ color 70.9959, 73.2841, 87.4942 looks on a white background.

Color Contrast Check

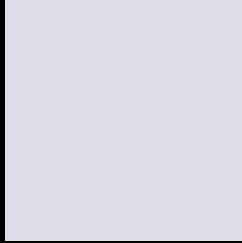
Large Text (above 18pt) WCAG AA × Fail

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 70.9959, 73.2841, 87.4942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

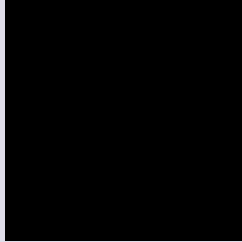
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

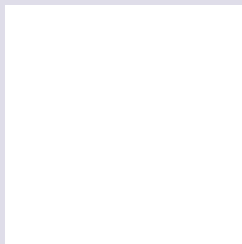
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9959, 73.2841, 87.4942

Background



This preview shows how black text looks on a background with the XYZ color 70.9959, 73.2841, 87.4942.

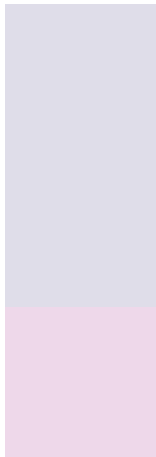


This preview shows how white text looks on a background with the XYZ color 70.9959, 73.2841,

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

70.9959, 73.2841, 87.4942

Protanopia

70.9959, 73.2841, 87.4942

Deuteranopia

74.6670, 73.2294, 88.0412



Tritanopia

71.7663, 73.2067, 91.2367

Trichromacy



Original Color

70.9959, 73.2841, 87.4942

Protanomaly

70.9959, 73.2841, 87.4942

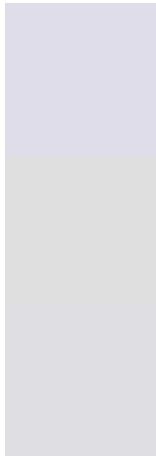
Deuteranomaly

73.5270, 73.4070, 88.1356

Tritanomaly

71.4740, 73.0898, 89.6975

Monochromacy



Original Color

70.9959, 73.2841, 87.4942

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.4178, 73.4766, 83.1440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9959, 73.2841, 87.4942 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(223, 221, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 221, 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(223, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 221, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.9959, 73.2841, 87.4942 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(223, 221, 233) }
```


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

```
.border{ border-color:rgb(223, 221, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 221,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9959, 73.2841, 87.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 221, 233) }
```

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

```
.background{ background-color: rgb(223,  
221, 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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