

Converting Colors

XYZ(70.3809, 71.6374, 83.3096)

Have a look what the booklet for
XYZ(70.3809, 71.6374, 83.3096)
contains.

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Color

**XYZ(70.1805, 71.3959,
83.4807)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D9E4
RGB	226, 217, 228
RGB Percent	89%, 85%, 89%
CMY	0.1137, 0.1490, 0.1059
CMYK	0.01, 0.05, 0.00, 0.11
HSL	289°, 17%, 87%
HSV	289°, 5%, 89%
XYZ	70.1805, 71.3959, 83.4807
YIQ	220.9450, 1.8330, 5.3290

Conversions

Conversions Part 2

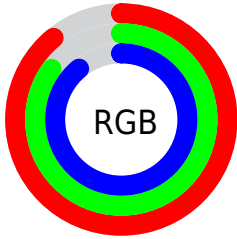
Format	Color
R _Y B	226, 217, 228
Decimal	14866916
CIE Lab	87.68, 5.04, -4.30
CIE LCh	88, 6.622, 319.533
Yxy	71.3959, 0.3118, 0.3172
Android (android.graphics.Color)	4293056996 (0xFFE2D9E4)
YUV	220.9450, 3.4781, 4.4332
Hunter-Lab	84.4961, 0.3898, 0.5698

Details

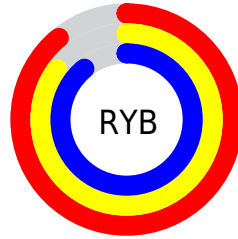
The XYZ color **70.1805, 71.3959, 83.4807** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4839, 75.5585, 76.5713**, and the grayscale version is **68.6659, 72.2419, 78.6714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2577, 37.5157, 44.8127** is the 20% darker color. If you saturate the color by 10%, you get **63.4210, 59.7832, 81.5965**, and if you desaturate by 10%, it is **77.7874, 84.6548, 85.6401**.

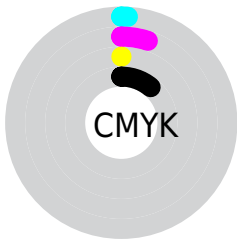
Distribution



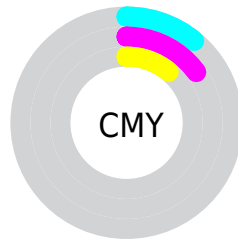
- Red (89%)
- Green (85%)
- Blue (89%)



- Red (89%)
- Yellow (85%)
- Blue (89%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1805, 71.3959, 83.4807 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 70.1805, 71.3959, 83.4807 by changing the saturation by 10% instead.

70.1805, 71.3959,
83.4807

70.1805, 71.3959,
83.4807

450.4401,
465.4362, 526.6001

51.9538, 52.6653,
62.0439

118.4910,
121.1973, 140.1038

37.1924, 37.5357,
44.6321

149.3055,
153.0369, 176.1271

25.5308, 25.6225,
30.8269

185.0467,
190.0149, 217.8497

16.6038, 16.5415,
20.2097

226.0799,
232.5159, 265.6900

10.0460, 9.9081,
12.3620

272.7705,
280.9241, 320.0667

5.4920, 5.3381,
6.8652

325.4838,

2.5764, 2.4470,

335.6239, 381.3982

3.3008

384.5852,
396.9999, 450.1032

■ 0.9339, 0.8499,
1.2502

■ 0.0000, 0.0000,
0.0204

■ 70.1805, 71.3959,
83.4807

■ 70.1805, 71.3959,
83.4807

■ 63.4210, 59.7832,
81.5965

■ 77.7874, 84.6548,
85.6401

■ 57.4696, 49.7411,
79.9719

■ 83.7924, 94.6639,
87.2555

■ 52.2926, 41.2018,
78.5965

■ 85.1722, 95.3752,
87.3201

■ 47.8517, 34.0892,
77.4577

■ 86.5841, 96.1031,
87.3862

■ 44.1053, 28.3202,
76.5416

■ 88.0283, 96.8476,
87.4538

■ 41.0075, 23.8031,
75.8330

■ 89.5049, 97.6088,
87.5229

■ 38.5063, 20.4348,
75.3147

■ 91.0038, 98.3815,
87.5930

■ 36.5417, 18.0953,
74.9667

■ 35.0402, 16.6378,
74.7645

Harmonies

Analogous

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



68.8732, 71.3959, 86.1674



70.1805, 71.3959, 83.4807



70.8694, 71.3959, 79.3181

Triad

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



70.1805, 71.3959, 83.4807



68.4092, 71.3959, 69.5485



65.0563, 71.3959, 80.6623

Complementary

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



70.1805, 71.3959, 83.4807



69.4839, 75.5585, 76.5713

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.



64.9364, 71.3959, 76.1791



70.1805, 71.3959, 83.4807



66.8561, 71.3959, 69.8771

Square

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



70.1805, 71.3959, 83.4807



69.8363, 71.3959, 71.3491



65.5906, 71.3959, 72.2649



65.9207, 71.3959, 84.4973

Rectangle

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



70.1805, 71.3959, 83.4807



70.8782, 71.3959, 76.3160



65.5906, 71.3959, 72.2649



64.9281, 71.3959, 79.1775

Sweetspot

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



70.1826, 71.3990, 83.4823



94.0715, 98.2959, 108.6227



67.9577, 71.0282, 83.5279



20.1455, 21.0573, 23.2526



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.



70.1826, 71.3990, 83.4823



89.3455, 90.0997, 107.2897



70.3347, 71.5327, 80.9910



15.1557, 15.2186, 18.2830



19.9466, 9.3487, 43.1364



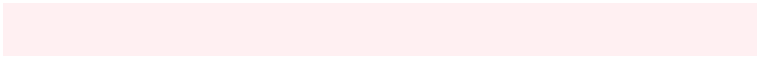
1.5412, 0.7255, 3.1908

Inverse Universe

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



69.5965, 71.2374, 77.1035



88.4115, 89.8435, 97.0667



69.3436, 75.4333, 78.9544



14.9820, 15.1710, 16.3758



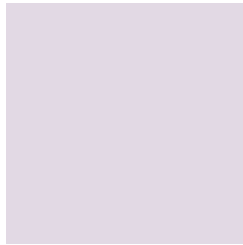
18.7421, 9.6311, 2.2710



1.4161, 0.7241, 0.3315

Previews

White Background



This preview shows how the XYZ color 70.1805, 71.3959, 83.4807 looks on a white background.

Color Contrast Check

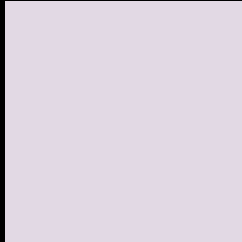
Large Text (above 18pt) WCAG AA × Fail

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 70.1805, 71.3959, 83.4807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

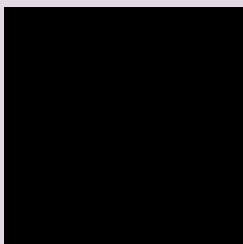
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

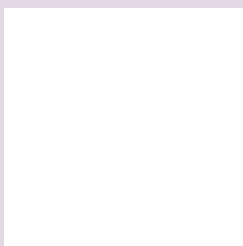
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1805, 71.3959, 83.4807

Background



This preview shows how black text looks on a background with the XYZ color 70.1805, 71.3959, 83.4807.

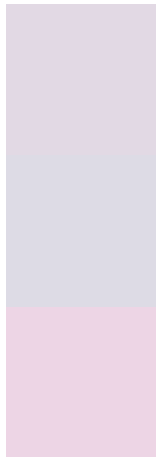


This preview shows how white text looks on a background with the XYZ color 70.1805, 71.3959,

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

70.1805, 71.3959, 83.4807

Protanopia

69.2932, 71.6923, 84.3146

Deuteranopia

72.8622, 71.2502, 84.0411



Tritanopia

70.9424, 71.3258, 87.1190

Trichromacy



Original Color

70.1805, 71.3959, 83.4807

Protanomaly

69.6457, 71.4879, 84.2566

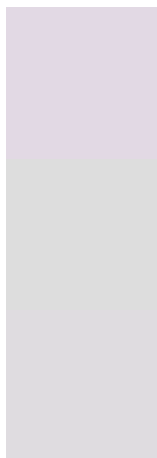
Deuteranomaly

71.7937, 71.0739, 84.0634

Tritanomaly

70.6582, 71.2121, 85.6225

Monochromacy



Original Color

70.1805, 71.3959, 83.4807

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.4792, 72.2562, 80.8059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1805, 71.3959, 83.4807 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(226, 217, 228) looks like.

```
.text, #text, p{  
    color:rgb(226, 217, 228)  
}
```

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(226, 217, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 217, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.1805, 71.3959, 83.4807 is called "border". The border property can be set on classes, ids or directly on the HTML element.

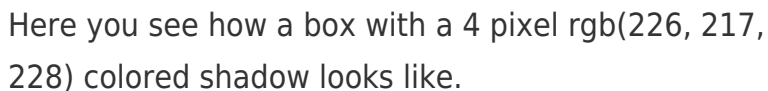
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 217, 228) }
```


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

```
.border{ border-color:rgb(226, 217, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 217, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 217, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 217, 228); box-shadow:4px 4px 4px 4px rgb(226, 217, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1805, 71.3959, 83.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 217, 228) }
```

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

```
.background{ background-color: rgb(226,  
217, 228) }
```

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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