

Converting Colors

XYZ(69.8386, 70.7402, 87.8152)

Have a look what the booklet for
XYZ(69.8386, 70.7402, 87.8152)
contains.

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Color

**XYZ(69.8386, 70.7402,
87.8152)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD8EA
RGB	223, 216, 234
RGB Percent	87%, 85%, 92%
CMY	0.1255, 0.1529, 0.0823
CMYK	0.05, 0.08, 0.00, 0.08
HSL	263°, 30%, 88%
HSV	263°, 8%, 92%
XYZ	69.8386, 70.7402, 87.8152
YIQ	220.1450, -1.6060, 7.0820

Conversions

Conversions Part 2

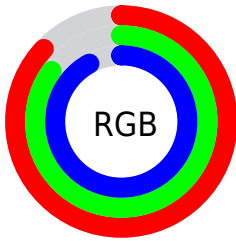
Format	Color
R _Y B	223, 216, 234
Decimal	14670058
CIE Lab	87.36, 5.67, -7.96
CIE LCh	87, 9.777, 305.481
Yxy	70.7402, 0.3058, 0.3097
Android (android.graphics.Color)	4292860138 (0xFFDFD8EA)
YUV	220.1450, 6.8305, 2.5038
Hunter-Lab	84.1072, 1.0303, -3.0289

Details

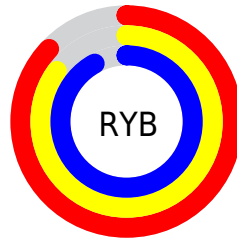
The XYZ color **69.8386, 70.7402, 87.8152** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4985, 80.1362, 76.5632**, and the grayscale version is **68.0851, 71.6308, 78.0060**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9292, 37.0289, 47.3204** is the 20% darker color. If you saturate the color by 10%, you get **60.0438, 57.4176, 85.7610**, and if you desaturate by 10%, it is **80.8635, 85.9681, 90.1745**.

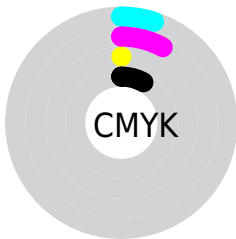
Distribution



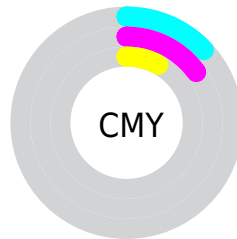
- Red (87%)
- Green (85%)
- Blue (92%)



- Red (87%)
- Yellow (85%)
- Blue (92%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (13%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8386, 70.7402, 87.8152 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 69.8386, 70.7402, 87.8152 by changing the saturation by 10% instead.

69.8386, 70.7402,
87.8152

69.8386, 70.7402,
87.8152

449.2584,
463.1447, 541.2835

51.6741, 52.1302,
65.6066

118.0061,
120.2637, 146.2087

36.9686, 37.1089,
47.4986

148.7398,
151.9461, 183.2307

25.3567, 25.2918,
33.0728

184.3939,
188.7546, 226.0275

16.4732, 16.2946,
21.9107

225.3338,
231.0738, 275.0178

9.9526, 9.7329,
13.5936

271.9248,
279.2880, 330.6199

5.4295, 5.2222,
7.7030

324.5324,

2.5388, 2.3782,

333.7816, 393.2526

3.8205

383.5218,
394.9391, 463.3342

■ 0.9148, 0.8146,
1.5274

■ 0.0000, 0.0000,
0.2382

■ 69.8386, 70.7402,
87.8152

■ 69.8386, 70.7402,
87.8152

■ 60.0438, 57.4176,
85.7610

■ 80.8635, 85.9681,
90.1745

■ 51.4278, 45.9148,
83.9948

■ 90.6140, 98.0827,
91.9989

■ 43.9448, 36.1529,
82.5050

■ 91.8515, 98.7206,
92.0568

■ 37.5432, 28.0438,
81.2772

■ 32.1674, 21.4914,
80.2958

■ 27.7561, 16.3894,
79.5435

■ 24.2406, 12.6174,
79.0007

■ 21.5416, 10.0346,
78.6444

■ 19.5551, 8.4525,
78.4438

Harmonies

Analogous

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



67.6601, 70.7402, 90.3450



69.8386, 70.7402, 87.8152



71.3447, 70.7402, 82.4057

Triad

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



69.8386, 70.7402, 87.8152



69.0902, 70.7402, 66.0562



62.9257, 70.7402, 78.2413

Complementary

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



69.8386, 70.7402, 87.8152



73.4985, 80.1362, 76.5632

Split Complementary

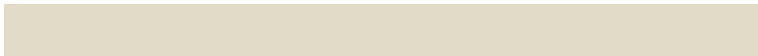
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.2890, 70.7402, 71.8820



69.8386, 70.7402, 87.8152



66.8145, 70.7402, 65.0815

Square

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



69.8386, 70.7402, 87.8152



70.9058, 70.7402, 69.8976



64.6997, 70.7402, 67.1553



63.6959, 70.7402, 84.6191

Rectangle

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



69.8386, 70.7402, 87.8152



71.7464, 70.7402, 78.0272



64.6997, 70.7402, 67.1553



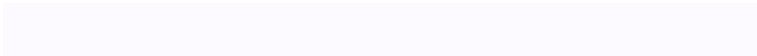
62.9195, 70.7402, 76.0296

Sweetspot

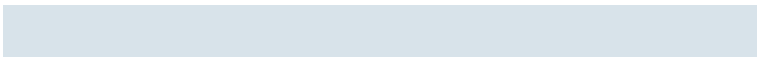
The Sweet Spot groups the original color and five complimentary colors.



69.8407, 70.7432, 87.8168



92.3070, 96.2027, 108.3116



70.6691, 75.5347, 88.6979



19.7863, 20.6311, 23.1893



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.



69.8407, 70.7432, 87.8168



83.1870, 83.6574, 106.3708



72.6555, 72.1943, 87.9485



14.7851, 14.8345, 19.0063



10.8997, 4.6549, 44.0670



0.9608, 0.4196, 3.4652

Inverse Universe

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



72.3551, 72.1533, 82.7898



86.7571, 85.6599, 99.2124



70.7633, 78.7261, 76.4352



15.4523, 15.2088, 17.6672



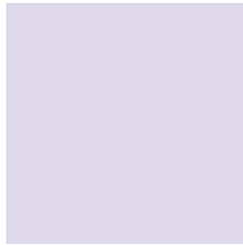
21.9183, 10.9700, 15.9029



1.7680, 0.8802, 1.4958

Previews

White Background



This preview shows how the XYZ color 69.8386, 70.7402, 87.8152 looks on a white background.

Color Contrast Check

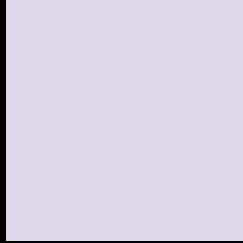
Large Text (above 18pt) WCAG AA × Fail

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 69.8386, 70.7402, 87.8152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

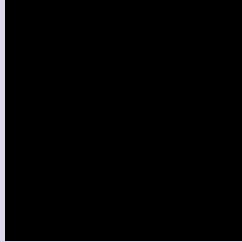
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

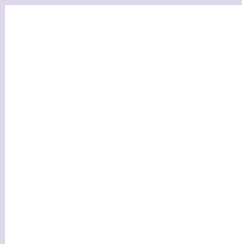
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8386, 70.7402, 87.8152

Background



This preview shows how black text looks on a background with the XYZ color 69.8386, 70.7402, 87.8152.

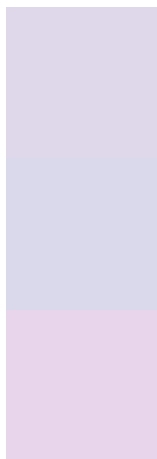


This preview shows how white text looks on a background with the XYZ color 69.8386, 70.7402,

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

69.8386, 70.7402, 87.8152

Protanopia

68.7217, 70.5293, 88.5888

Deuteranopia

72.3939, 70.9103, 88.4687



Tritanopia

69.6953, 70.6829, 87.0606

Trichromacy



Original Color

69.8386, 70.7402, 87.8152

Protanomaly

69.3235, 70.8395, 88.6169

Deuteranomaly

71.3551, 70.7493, 88.4924

Tritanomaly

69.6953, 70.6829, 87.0606

Monochromacy



Original Color

69.8386, 70.7402, 87.8152

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.7409, 71.4714, 81.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8386, 70.7402, 87.8152 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, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 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(223, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.8386, 70.7402, 87.8152 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, 216, 234) }
```


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

```
.border{ border-color:rgb(223, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(223, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8386, 70.7402, 87.8152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 234) }
```

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

```
.background{ background-color: rgb(223,  
216, 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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