

# Converting Colors

XYZ(70.9975, 72.1445, 86.2317)

Have a look what the booklet for  
XYZ(70.9975, 72.1445, 86.2317)  
contains.

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# **Color**

**XYZ(71.0009, 72.1378,  
86.5258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DAE8
RGB	226, 218, 232
RGB Percent	89%, 85%, 91%
CMY	0.1137, 0.1451, 0.0902
CMYK	0.03, 0.06, 0.00, 0.09
HSL	274°, 23%, 88%
HSV	274°, 6%, 91%
XYZ	71.0009, 72.1378, 86.5258
YIQ	221.9880, 0.2740, 6.0500

# Conversions

## Conversions Part 2

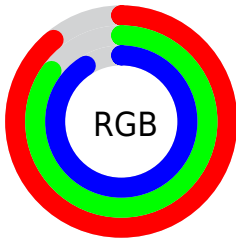
Format	Color
R <sub>Y</sub> B	226, 218, 232
Decimal	14867176
CIE Lab	88.03, 5.25, -5.88
CIE LCh	88, 7.882, 311.757
Yxy	72.1378, 0.3092, 0.3141
Android (android.graphics.Color)	4293057256 (0xFFE2DAE8)
YUV	221.9880, 4.9359, 3.5185
Hunter-Lab	84.9340, 0.5833, -0.9474

# Details

The XYZ color **71.0009, 72.1378, 86.5258** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2548, 78.6245, 77.7012**, and the grayscale version is **69.3906, 73.0043, 79.5017**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7283, 37.9869, 46.4180** is the 20% darker color. If you saturate the color by 10%, you get **62.3725, 59.3767, 84.5185**, and if you desaturate by 10%, it is **80.6565, 86.6825, 88.8254**.

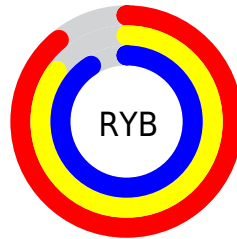
# Distribution



Red (89%)

Green (85%)

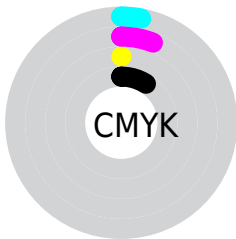
Blue (91%)



Red (89%)

Yellow (85%)

Blue (91%)

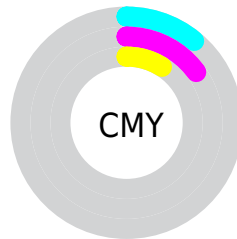


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (15%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0009, 72.1378, 86.5258 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 71.0009, 72.1378, 86.5258 by changing the saturation by 10% instead.



71.0009, 72.1378,  
86.5258

71.0009, 72.1378,  
86.5258

453.2684,  
468.0211, 536.9391

52.6255, 53.2713,  
64.5455

119.6535,  
122.2524, 144.3960

37.7301, 38.0194,  
46.6436

150.6614,  
154.2693, 181.1230

25.9496, 25.9977,  
32.4017

186.6108,  
191.4384, 223.6026

16.9184, 16.8219,  
21.4011

227.8671,  
234.1441, 272.2534

10.2713, 10.1076,  
13.2234

274.7957,  
282.7708, 327.4939

5.6428, 5.4704,  
7.4501

327.7618,

2.6677, 2.5258,

337.7030, 389.7427

3.6624

387.1310,  
399.3249, 459.4182

■ 0.9806, 0.8895,  
1.4420

■ 0.0000, 0.0000,  
0.1742

■ 71.0009, 72.1378,  
86.5258

■ 71.0009, 72.1378,  
86.5258

■ 62.3725, 59.3767,  
84.5185

■ 80.6565, 86.6825,  
88.8254

■ 54.7272, 48.3188,  
82.7871

■ 88.2943, 96.9198,  
90.3988

■ 48.0268, 38.8911,  
81.3205

■ 91.5657, 98.6063,  
90.5519

■ 42.2280, 31.0119,  
80.1053

■ 37.2836, 24.5918,  
79.1267

■ 33.1420, 19.5324,  
78.3684

■ 29.7448, 15.7224,  
77.8120

■ 27.0246, 13.0321,  
77.4361

■ 24.8985, 11.3013,  
77.2141

# Harmonies

## Analogous

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



69.3042, 72.1378, 89.1252



71.0009, 72.1378, 86.5258



72.0562, 72.1378, 81.8319

# Triad

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



71.0009, 72.1378, 86.5258



69.7028, 72.1378, 69.1166



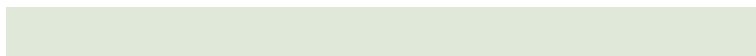
65.0858, 72.1378, 80.6746

# Complementary

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



71.0009, 72.1378, 86.5258



72.2548, 78.6245, 77.7012

# 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.



65.1881, 72.1378, 75.3488



71.0009, 72.1378, 86.5258



67.8307, 72.1378, 68.8386

# Square

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



71.0009, 72.1378, 86.5258



71.2973, 72.1378, 71.8499



66.1851, 72.1378, 71.0722



65.9030, 72.1378, 85.6453



# Rectangle

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



71.0009, 72.1378, 86.5258



72.2424, 72.1378, 78.2287



66.1851, 72.1378, 71.0722



65.0142, 72.1378, 78.8637

# Sweetspot

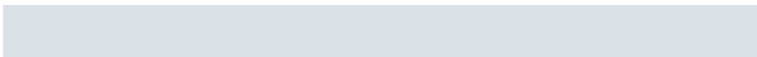
The Sweet Spot groups the original color and five complimentary colors.



71.0030, 72.1409, 86.5274



92.6447, 96.3768, 108.3274



70.1554, 74.0817, 86.9467



19.8550, 20.6666, 23.1925



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.



71.0030, 72.1409, 86.5274



86.8582, 87.7127, 106.9601



72.7855, 73.0751, 85.9207



14.7222, 14.8192, 18.2288



13.5631, 6.0579, 42.8376



1.1081, 0.5022, 3.1705



# Inverse Universe

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



71.8073, 72.6838, 80.7697



88.0189, 88.4958, 98.6703



70.5502, 77.7316, 78.2607



14.9348, 14.9626, 16.7120



19.7978, 10.0533, 7.8302

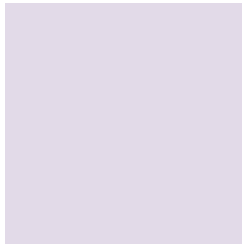


1.5087, 0.7612, 0.8196



# Previews

## White Background



This preview shows how the XYZ color 71.0009, 72.1378, 86.5258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

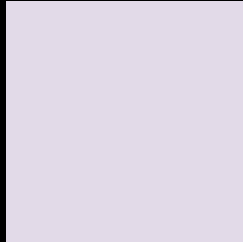
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0009, 72.1378, 86.5258 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

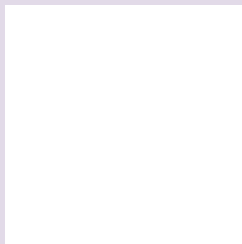
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.0009, 72.1378, 86.5258

## Background



This preview shows how black text looks on a background with the XYZ color 71.0009, 72.1378, 86.5258.



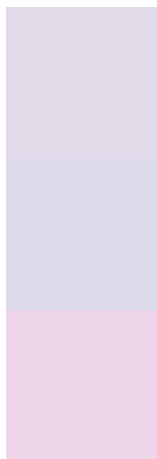
This preview shows how white text looks on a background with the XYZ color 71.0009, 72.1378,



# 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

71.0009, 72.1378, 86.5258

### Protanopia

69.8583, 71.9184, 87.2905

### Deuteranopia

73.6796, 71.9809, 87.1012



## Tritanopia

71.4308, 72.3097, 88.7896

# Trichromacy



## Original Color

71.0009, 72.1378, 86.5258

## Protanomaly

70.4709, 72.2342, 87.3192

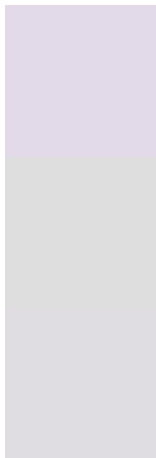
## Deuteranomaly

72.6127, 71.8077, 87.1240

## Tritanomaly

71.2867, 72.2521, 88.0307

# Monochromacy



## Original Color

71.0009, 72.1378, 86.5258

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.0153, 72.8919, 82.3308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0009, 72.1378, 86.5258 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, 218, 232) looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 232)  
}
```

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, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0009, 72.1378, 86.5258 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, 218, 232) }
```



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

```
.border{ border-color:rgb(226, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0009, 72.1378, 86.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 232) }
```

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

```
.background{ background-color: rgb(226,  
218, 232) }
```

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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