

# Converting Colors

XYZ(72.4595, 74.1873, 87.6726)

Have a look what the booklet for  
XYZ(72.4595, 74.1873, 87.6726)  
contains.

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# Color

**XYZ(72.2430, 73.9270,  
87.5525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DDE9
RGB	227, 221, 233
RGB Percent	89%, 87%, 91%
CMY	0.1098, 0.1333, 0.0863
CMYK	0.03, 0.05, 0.00, 0.09
HSL	270°, 21%, 89%
HSV	270°, 5%, 91%
XYZ	72.2430, 73.9270, 87.5525
YIQ	224.1620, -0.2760, 5.0040

# Conversions

## Conversions Part 2

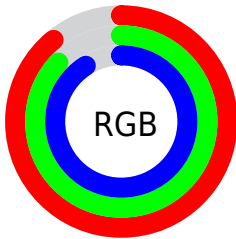
Format	Color
R <sub>Y</sub> B	227, 221, 233
Decimal	14933481
CIE Lab	88.89, 4.20, -5.14
CIE LCh	89, 6.638, 309.276
Yxy	73.9270, 0.3091, 0.3163
Android (android.graphics.Color)	4293123561 (0xFFE3DDE9)
YUV	224.1620, 4.3571, 2.4889
Hunter-Lab	85.9808, -0.4867, -0.1872

# Details

The XYZ color **72.2430, 73.9270, 87.5525** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8714, 79.8311, 79.9259**, and the grayscale version is **70.9392, 74.6335, 81.2759**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5853, 39.2174, 47.1310** is the 20% darker color. If you saturate the color by 10%, you get **62.9617, 60.6367, 85.4775**, and if you desaturate by 10%, it is **82.6311, 89.0594, 89.9269**.

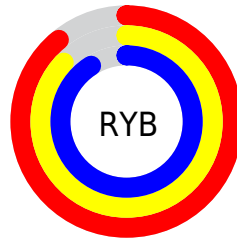
# Distribution



Red (89%)

Green (87%)

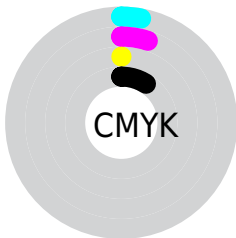
Blue (91%)



Red (89%)

Yellow (87%)

Blue (91%)

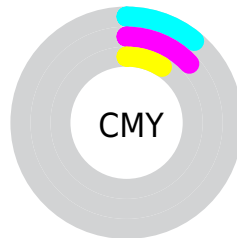


Cyan (3%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (13%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2430, 73.9270, 87.5525 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 72.2430, 73.9270, 87.5525 by changing the saturation by 10% instead.



72.2430, 73.9270,  
87.5525

72.2430, 73.9270,  
87.5525

457.5315,  
474.2214, 540.3999

53.6434, 54.7343,  
65.3903

121.4109,  
124.7923, 145.8396

38.5462, 39.1890,  
47.3243

152.7099,  
157.2337, 182.8016

26.5860, 26.9068,  
32.9359

188.9726,  
194.8601, 225.5340

17.3975, 17.5032,  
21.8066

230.5646,  
238.0560, 274.4553

10.6154, 10.5939,  
13.5179

277.8511,  
287.2056, 329.9839

5.8742, 5.7945,  
7.6512

331.1976,

2.8087, 2.7205,

342.6935, 392.5386

3.7881

390.9692,  
404.9039, 462.5377

■ 1.0534, 0.9876,  
1.5098

■ 0.0000, 0.0000,  
0.2252

■ 72.2430, 73.9270,  
87.5525

■ 72.2430, 73.9270,  
87.5525

■ 62.9617, 60.6367,  
85.4775

■ 82.6311, 89.0594,  
89.9269

■ 54.7409, 49.1064,  
83.6852

■ 90.0032, 97.7843,  
91.2225

■ 47.5404, 39.2622,  
82.1646

■ 91.7082, 98.6633,  
91.3023

■ 41.3148, 31.0207,  
80.9020

■ 36.0148, 24.2915,  
79.8824

■ 31.5863, 18.9748,  
79.0896

■ 27.9690, 14.9584,  
78.5050

■ 25.0932, 12.1120,  
78.1072

■ 22.8746, 10.2761,  
77.8698

# Harmonies

## Analogous

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



70.7655, 73.9270, 89.5628



72.2430, 73.9270, 87.5525



73.2001, 73.9270, 83.6716

# Triad

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



72.2430, 73.9270, 87.5525



71.3664, 73.9270, 72.4848



67.2548, 73.9270, 81.9311

# Complementary

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



72.2430, 73.9270, 87.5525



73.8714, 79.8311, 79.9259

# Split Complementary

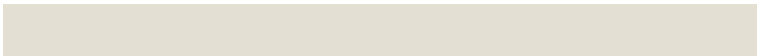
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.4102, 73.9270, 77.3978



72.2430, 73.9270, 87.5525



69.7677, 73.9270, 72.0589

# Square

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



72.2430, 73.9270, 87.5525



72.6887, 73.9270, 75.0119



68.3242, 73.9270, 73.8253



67.8966, 73.9270, 86.2367



# Rectangle

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



72.2430, 73.9270, 87.5525



73.4059, 73.9270, 80.6061



68.3242, 73.9270, 73.8253



67.2158, 73.9270, 80.3819

# Sweetspot

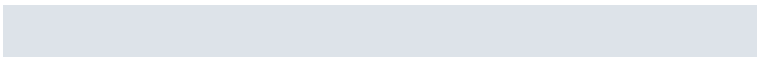
The Sweet Spot groups the original color and five complimentary colors.



72.2451, 73.9302, 87.5541



92.5123, 96.3085, 108.3212



72.0533, 76.3057, 88.0228



19.8281, 20.6527, 23.1913



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.



72.2451, 73.9302, 87.5541



87.6024, 89.2011, 107.2081



74.1056, 74.8892, 87.6412



15.5417, 15.7712, 19.1473



12.6108, 5.5370, 44.1471



1.1012, 0.4920, 3.4718



# Inverse Universe

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



73.3284, 74.5859, 83.2085



89.1548, 90.1409, 100.9809



72.0725, 78.9038, 79.8417



15.8463, 15.9557, 17.9252



20.9368, 10.5774, 10.7344

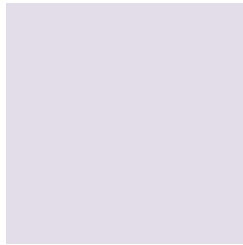


1.6926, 0.8500, 1.0986



# Previews

## White Background



This preview shows how the XYZ color 72.2430, 73.9270, 87.5525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

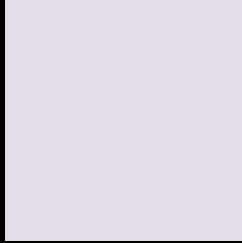
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2430, 73.9270, 87.5525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

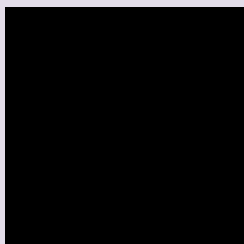
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

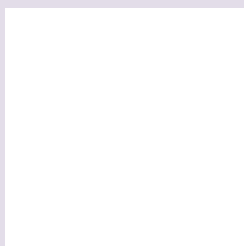
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2430, 73.9270, 87.5525**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2430, 73.9270, 87.5525.



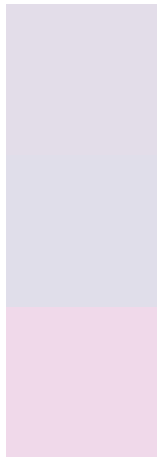
This preview shows how white text looks on a background with the XYZ color 72.2430, 73.9270,



# 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

72.2430, 73.9270, 87.5525

### Protanopia

71.7130, 74.0304, 88.3515

### Deuteranopia

75.5993, 74.0915, 88.1585



## Tritanopia

73.0207, 73.8534, 91.2955

# Trichromacy



## Original Color

72.2430, 73.9270, 87.5525

## Protanomaly

72.0239, 74.1906, 88.3661

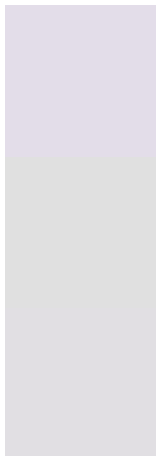
## Deuteranomaly

74.1836, 73.7455, 88.1663

## Tritanomaly

72.7284, 73.7365, 89.7562

# Monochromacy



## Original Color

72.2430, 73.9270, 87.5525

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.3041, 74.3290, 83.2618

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2430, 73.9270, 87.5525 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(227, 221, 233) looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 221, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2430, 73.9270, 87.5525 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(227, 221, 233) }
```



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

```
.border{ border-color:rgb(227, 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(227, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(227, 221,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2430, 73.9270, 87.5525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 221, 233) }
```

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

```
.background{ background-color: rgb(227,  
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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