

# Converting Colors

XYZ(71.6359, 73.0693, 86.7108)

Have a look what the booklet for  
XYZ(71.6359, 73.0693, 86.7108)  
contains.

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# Color

**XYZ(71.8372, 73.3435,  
86.7144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3DCE8
RGB	227, 220, 232
RGB Percent	89%, 86%, 91%
CMY	0.1098, 0.1372, 0.0902
CMYK	0.02, 0.05, 0.00, 0.09
HSL	275°, 21%, 89%
HSV	275°, 5%, 91%
XYZ	71.8372, 73.3435, 86.7144
YIQ	223.4610, 0.3200, 5.2160

# Conversions

## Conversions Part 2

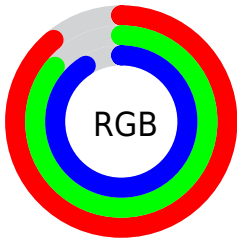
Format	Color
R <sub>Y</sub> B	227, 220, 232
Decimal	14933224
CIE Lab	88.61, 4.54, -5.02
CIE LCh	89, 6.768, 312.117
Yxy	73.3435, 0.3098, 0.3163
Android (android.graphics.Color)	4293123304 (0xFFE3DCE8)
YUV	223.4610, 4.2097, 3.1037
Hunter-Lab	85.6408, -0.1421, -0.0847

# Details

The XYZ color **71.8372, 73.3435, 86.7144** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8290, 78.8901, 79.1027**, and the grayscale version is **70.4397, 74.1081, 80.7037**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3049, 38.8155, 46.5476** is the 20% darker color. If you saturate the color by 10%, you get **63.2017, 60.4730, 84.6864**, and if you desaturate by 10%, it is **81.4933, 87.9986, 89.0353**.

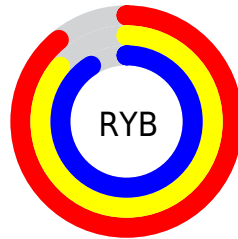
# Distribution



Red (89%)

Green (86%)

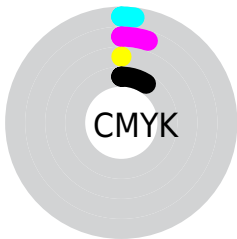
Blue (91%)



Red (89%)

Yellow (86%)

Blue (91%)

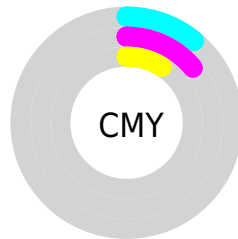


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (14%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8372, 73.3435, 86.7144 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 71.8372, 73.3435, 86.7144 by changing the saturation by 10% instead.



71.8372, 73.3435,  
86.7144

71.8372, 73.3435,  
86.7144

456.1412,  
472.2045, 537.5758

53.3107, 54.2569,  
64.7006

120.8371,  
123.9647, 144.6613

38.2793, 38.8071,  
46.7686

152.0412,  
156.2681, 181.4316

26.3777, 26.6097,  
32.4997

188.2019,  
193.7459, 223.9577

17.2406, 17.2803,  
21.4755

229.6844,  
236.7825, 272.6583

10.5026, 10.4345,  
13.2774

276.8543,  
285.7622, 327.9518

5.7982, 5.6880,  
7.4869

330.0768,

2.7623, 2.6563,

341.0696, 390.2569

3.6854

389.7173,  
403.0888, 459.9920

■ 1.0293, 0.9551,  
1.4544

■ 0.0000, 0.0000,  
0.1836

■ 71.8372, 73.3435,  
86.7144

■ 71.8372, 73.3435,  
86.7144

■ 63.2017, 60.4730,  
84.6864

■ 81.4933, 87.9986,  
89.0353

■ 55.5429, 49.3069,  
82.9348

■ 88.4516, 97.0009,  
90.4062

■ 48.8232, 39.7731,  
81.4487

■ 91.5657, 98.6063,  
90.5519

■ 42.9999, 31.7902,  
80.2148

■ 38.0264, 25.2701,  
79.2184

■ 33.8518, 20.1151,  
78.4434

■ 30.4188, 16.2155,  
77.8717

■ 27.6611, 13.4437,  
77.4820

■ 25.4981, 11.6433,  
77.2485

# Harmonies

## Analogous

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



70.3718, 73.3435, 88.9746



71.8372, 73.3435, 86.7144



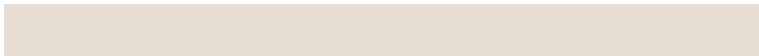
72.7410, 73.3435, 82.6511

# Triad

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



71.8372, 73.3435, 86.7144



70.6792, 73.3435, 71.6050



66.6866, 73.3435, 81.7605

# Complementary

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



71.8372, 73.3435, 86.7144



72.8290, 78.8901, 79.1027

# 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.



66.7659, 73.3435, 77.1297



71.8372, 73.3435, 86.7144



69.0540, 73.3435, 71.3876

# Square

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



71.8372, 73.3435, 86.7144



72.0653, 73.3435, 73.9801



67.6268, 73.3435, 73.3740



67.4082, 73.3435, 86.0406



# Rectangle

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



71.8372, 73.3435, 86.7144



72.8949, 73.3435, 79.5270



67.6268, 73.3435, 73.3740



66.6208, 73.3435, 80.1911

# Sweetspot

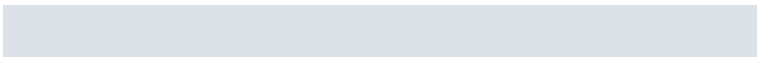
The Sweet Spot groups the original color and five complimentary colors.



71.8393, 73.3466, 86.7160



92.6668, 96.3881, 108.3284



71.0629, 75.0034, 87.0767



19.8595, 20.6689, 23.1927



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.



71.8393, 73.3466, 86.7160



88.0545, 89.4342, 107.2293



73.3261, 74.1262, 86.1939



14.9147, 15.0943, 18.2717



13.8067, 6.1835, 42.8490



1.1255, 0.5112, 3.1713



# Inverse Universe

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



72.4652, 73.7818, 81.6601



88.9582, 90.0622, 99.9460



71.3991, 78.1406, 79.5901



15.0837, 15.2117, 16.9117



19.7246, 10.0241, 7.4447

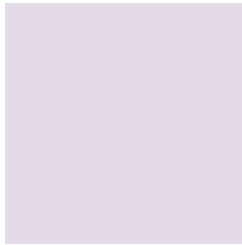


1.5030, 0.7589, 0.7893



# Previews

## White Background



This preview shows how the XYZ color 71.8372, 73.3435, 86.7144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

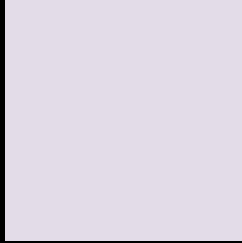
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8372, 73.3435, 86.7144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

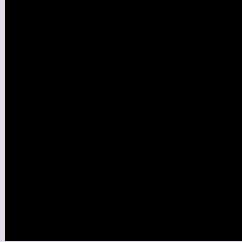
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

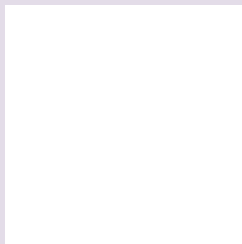
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.8372, 73.3435, 86.7144

## Background



This preview shows how black text looks on a background with the XYZ color 71.8372, 73.3435, 86.7144.



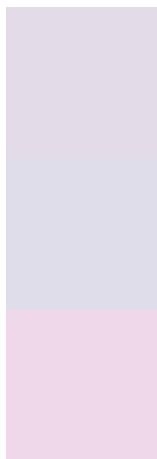
This preview shows how white text looks on a background with the XYZ color 71.8372, 73.3435,



# 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

71.8372, 73.3435, 86.7144

### Protanopia

70.9959, 73.2841, 87.4942

### Deuteranopia

74.8605, 73.3456, 87.3023



## Tritanopia

72.6125, 73.2714, 90.4365

# Trichromacy



## Original Color

71.8372, 73.3435, 86.7144

## Protanomaly

71.3049, 73.4434, 87.5086

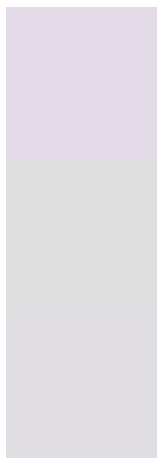
## Deuteranomaly

73.7818, 73.1711, 87.3255

## Tritanomaly

72.3218, 73.1552, 88.9059

# Monochromacy



## Original Color

71.8372, 73.3435, 86.7144

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.5892, 73.5808, 82.4336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8372, 73.3435, 86.7144 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, 220, 232) looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 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(227, 220, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8372, 73.3435, 86.7144 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, 220, 232) }
```



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

```
.border{ border-color:rgb(227, 220, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 220, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 220, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 220,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8372, 73.3435, 86.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 232) }
```

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

```
.background{ background-color: rgb(227,  
220, 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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