

# Converting Colors

XYZ(71.4237, 74.0068, 89.8831)

Have a look what the booklet for  
XYZ(71.4237, 74.0068, 89.8831)  
contains.

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# Color

**XYZ(71.3858, 73.8283,  
89.8447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDEEC
RGB	222, 222, 236
RGB Percent	87%, 87%, 93%
CMY	0.1294, 0.1294, 0.0745
CMYK	0.06, 0.06, 0.00, 0.07
HSL	240°, 27%, 90%
HSV	240°, 6%, 93%
XYZ	71.3858, 73.8283, 89.8447
YIQ	223.5960, -4.4940, 4.3540

# Conversions

## Conversions Part 2

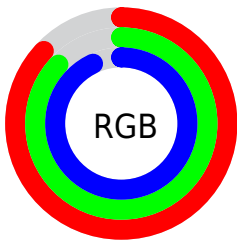
Format	Color
R <sub>Y</sub> B	222, 222, 236
Decimal	14606060
CIE Lab	88.84, 2.59, -6.83
CIE LCh	89, 7.303, 290.784
Yxy	73.8283, 0.3037, 0.3141
Android (android.graphics.Color)	4292796140 (0xFFDEDEEC)
YUV	223.5960, 6.1152, -1.3997
Hunter-Lab	85.9234, -2.0668, -1.8495

# Details

The XYZ color **71.3858, 73.8283, 89.8447** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.7725, 83.0969, 81.0487**, and the grayscale version is **70.5252, 74.1980, 80.8016**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9933, 39.1482, 48.7339** is the 20% darker color. If you saturate the color by 10%, you get **58.8234, 58.6929, 87.5865**, and if you desaturate by 10%, it is **85.8412, 91.2453, 92.4458**.

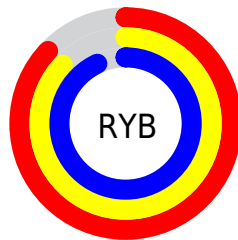
# Distribution



Red (87%)

Green (87%)

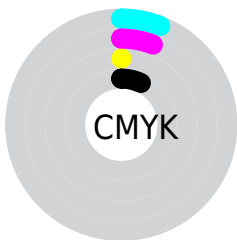
Blue (93%)



Red (87%)

Yellow (87%)

Blue (93%)

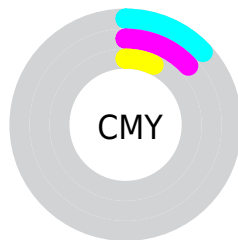


Cyan (6%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3858, 73.8283, 89.8447 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 71.3858, 73.8283, 89.8447 by changing the saturation by 10% instead.



■ 71.3858, 73.8283,  
89.8447

■ 71.3858, 73.8283,  
89.8447

454.5918,  
473.8806, 548.0826

■ 52.9408, 54.6535,  
67.2789

120.1984,  
124.6524, 149.0563

■ 37.9828, 39.1244,  
48.8483

151.2967,  
157.0705, 186.5391

■ 26.1465, 26.8565,  
34.1344

187.3435,  
194.6718, 229.8314

■ 17.0665, 17.4655,  
22.7187

228.7041,  
237.8407, 279.3515

■ 10.3775, 10.5669,  
14.1826

275.7439,  
286.9617, 335.5182

■ 5.7142, 5.7764,  
8.1075

328.8282,

■ 2.7111, 2.7096,

342.4190, 398.7499

4.0751

388.3224,  
404.5972, 469.4652

■ 1.0029, 0.9821,  
1.6666

■ 0.0000, 0.0000,  
0.3377

■ 71.3858, 73.8283,  
89.8447

■ 71.3858, 73.8283,  
89.8447

■ 58.8234, 58.6929,  
87.5865

■ 85.8412, 91.2453,  
92.4458

■ 48.0695, 45.7359,  
85.6523

■ 92.1405, 98.8362,  
93.5790

■ 39.0429, 34.8597,  
84.0288

■ 31.6535, 25.9561,  
82.6997

■ 25.8033, 18.9068,  
81.6474

■ 21.3837, 13.5811,  
80.8523

■ 18.2720, 9.8312,  
80.2926

■ 16.3250, 7.4846,  
79.9422

■ 15.3655, 6.3278,  
79.7695

# Harmonies

## Analogous

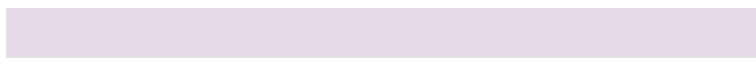
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6281, 73.8283, 90.3932



71.3858, 73.8283, 89.8447



72.8407, 73.8283, 86.7057

# Triad

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



71.3858, 73.8283, 89.8447



72.3447, 73.8283, 73.0711



66.8665, 73.8283, 78.8360

# Complementary

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



71.3858, 73.8283, 89.8447



77.7725, 83.0969, 81.0487

# 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.



67.5685, 73.8283, 74.3820



71.3858, 73.8283, 89.8447



70.7179, 73.8283, 71.1469

# Square

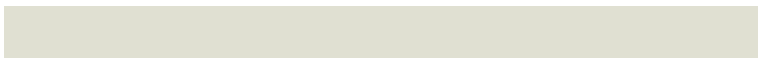
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3858, 73.8283, 89.8447



73.4008, 73.8283, 76.9782



68.9712, 73.8283, 71.6165



67.0385, 73.8283, 83.8938



# Rectangle

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



71.3858, 73.8283, 89.8447



73.4336, 73.8283, 83.6363



68.9712, 73.8283, 71.6165



67.0077, 73.8283, 77.2219

# Sweetspot

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



71.3879, 73.8314, 89.8463



91.5934, 95.8354, 108.2783



75.2273, 81.5643, 90.9589



19.6410, 20.5563, 23.1825



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.



71.3879, 73.8314, 89.8463



83.3541, 85.9082, 106.7965



73.5015, 74.9196, 89.9450



14.7566, 15.1822, 19.0750



8.3461, 3.3392, 43.9476



0.6555, 0.2624, 3.4510



# Inverse Universe

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



73.8998, 75.3508, 79.7602



86.8763, 88.0387, 92.6534



75.5690, 81.9624, 80.9459



15.4326, 15.5911, 16.3606



19.0680, 9.8299, 0.8937

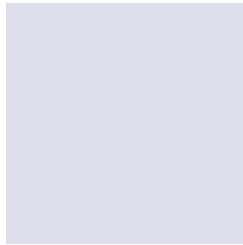


1.4974, 0.7719, 0.0705



# Previews

## White Background



This preview shows how the XYZ color 71.3858, 73.8283, 89.8447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

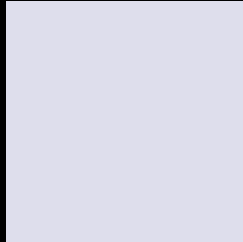
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3858, 73.8283, 89.8447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

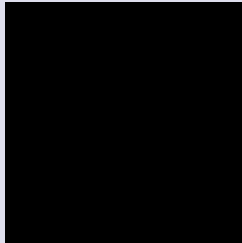
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

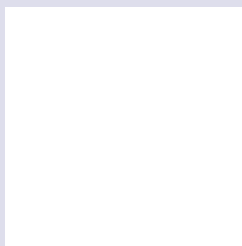
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.3858, 73.8283, 89.8447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3858, 73.8283, 89.8447.



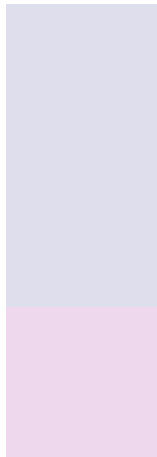
This preview shows how white text looks on a background with the XYZ color 71.3858, 73.8283,



# 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

71.3858, 73.8283, 89.8447

### Protanopia

71.6930, 73.9867, 89.8591

### Deuteranopia

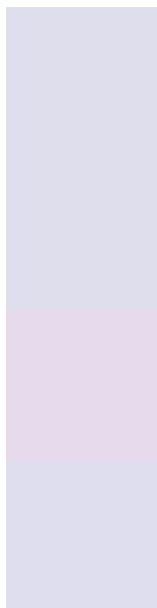
75.1018, 73.4033, 90.3307



## Tritanopia

71.8255, 74.0041, 92.1600

# Trichromacy



## Original Color

71.3858, 73.8283, 89.8447

## Protanomaly

71.6930, 73.9867, 89.8591

## Deuteranomaly

73.6362, 73.4130, 90.4099

## Tritanomaly

71.6781, 73.9452, 91.3839

# Monochromacy



## Original Color

71.3858, 73.8283, 89.8447

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.8227, 74.0648, 83.9620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3858, 73.8283, 89.8447 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(222, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 236)  
}
```

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(222, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3858, 73.8283, 89.8447 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(222, 222, 236) }
```



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

```
.border{ border-color:rgb(222, 222, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3858, 73.8283, 89.8447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 236) }
```

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

```
.background{ background-color: rgb(222,  
222, 236) }
```

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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