

Converting Colors

XYZ(71.9559, 73.5661, 88.7018)

Have a look what the booklet for
XYZ(71.9559, 73.5661, 88.7018)
contains.

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Color

**XYZ(72.2159, 73.8798,
89.0513)**

Conversions

Conversions Part 1

Format	Color
Hex	E2DDEB
RGB	226, 221, 235
RGB Percent	89%, 87%, 92%
CMY	0.1137, 0.1333, 0.0784
CMYK	0.04, 0.06, 0.00, 0.08
HSL	261°, 26%, 89%
HSV	261°, 6%, 92%
XYZ	72.2159, 73.8798, 89.0513
YIQ	224.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

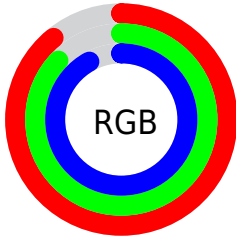
Format	Color
R _Y B	226, 221, 235
Decimal	14867947
CIE Lab	88.87, 4.24, -6.23
CIE LCh	89, 7.539, 304.237
Yxy	73.8798, 0.3071, 0.3142
Android (android.graphics.Color)	4293058027 (0xFFE2DDEB)
YUV	224.0910, 5.3781, 1.6742
Hunter-Lab	85.9534, -0.4471, -1.2596

Details

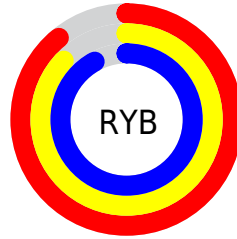
The XYZ color **72.2159, 73.8798, 89.0513** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3953, 81.4620, 80.1603**, and the grayscale version is **70.8820, 74.5733, 81.2104**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5675, 39.1850, 48.1786** is the 20% darker color. If you saturate the color by 10%, you get **61.9095, 59.9933, 86.9153**, and if you desaturate by 10%, it is **83.8126, 89.7248, 91.4996**.

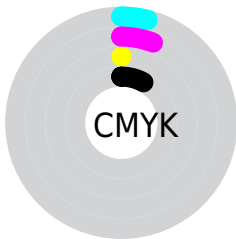
Distribution



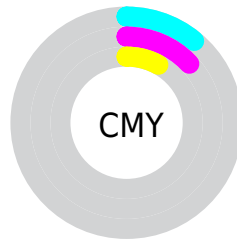
- Red (89%)
- Green (87%)
- Blue (92%)



- Red (89%)
- Yellow (87%)
- Blue (92%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2159, 73.8798, 89.0513 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 72.2159, 73.8798, 89.0513 by changing the saturation by 10% instead.

■ 72.2159, 73.8798,
89.0513

■ 72.2159, 73.8798,
89.0513

457.4387,
474.0584, 545.4302

■ 53.6212, 54.6957,
66.6248

121.3726,
124.7254, 147.9439

■ 38.5283, 39.1581,
48.3201

152.6652,
157.1557, 185.2470

■ 26.5721, 26.8828,
33.7186

188.9212,
194.7701, 228.3462

■ 17.3870, 17.4852,
22.4019

230.5059,
237.9531, 277.6598

■ 10.6078, 10.5810,
13.9514

277.7846,
287.0890, 333.6065

■ 5.8691, 5.7859,
7.9485

331.1228,

■ 2.8056, 2.7153,

342.5623, 396.6047

3.9747

390.8857,
404.7573, 467.0731

■ 1.0518, 0.9850,
1.6115

■ 0.0000, 0.0000,
0.2990

■ 72.2159, 73.8798,
89.0513

■ 72.2159, 73.8798,
89.0513

■ 61.9095, 59.9933,
86.9153

■ 83.8126, 89.7248,
91.4996

■ 52.8405, 47.9786,
85.0742

■ 91.9956, 98.7782,
92.8158

■ 44.9614, 37.7563,
83.5163

■ 38.2192, 29.2376,
82.2274

■ 32.5565, 22.3261,
81.1918

■ 27.9107, 16.9151,
80.3923

■ 24.2116, 12.8850,
79.8093

■ 21.3789, 10.0965,
79.4204

■ 19.3158, 8.3785,
79.1975

Harmonies

Analogous

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



70.4805, 73.8798, 90.9005



72.2159, 73.8798, 89.0513



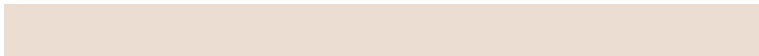
73.4326, 73.8798, 84.8959

Triad

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



72.2159, 73.8798, 89.0513



71.7588, 73.8798, 71.7164



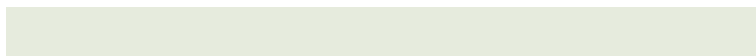
66.7746, 73.8798, 81.1883

Complementary

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



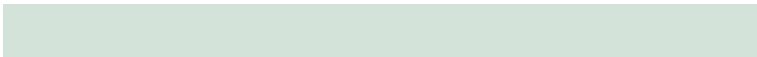
72.2159, 73.8798, 89.0513



75.3953, 81.4620, 80.1603

Split Complementary

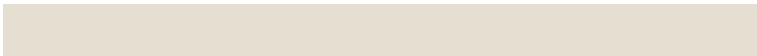
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1036, 73.8798, 76.1478



72.2159, 73.8798, 89.0513



69.9613, 73.8798, 70.8192

Square

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



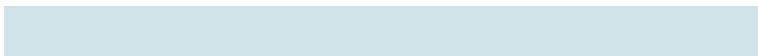
72.2159, 73.8798, 89.0513



73.1654, 73.8798, 74.9130



68.2623, 73.8798, 72.4073



67.3557, 73.8798, 86.2377

Rectangle

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



72.2159, 73.8798, 89.0513



73.7746, 73.8798, 81.4571



68.2623, 73.8798, 72.4073



66.7825, 73.8798, 79.4364

Sweetspot

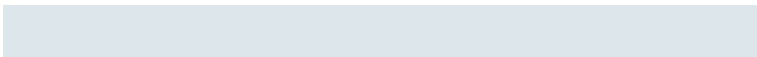
The Sweet Spot groups the original color and five complimentary colors.



72.2180, 73.8830, 89.0529



92.2483, 96.1724, 108.3089



73.1414, 78.0221, 89.8032



19.7743, 20.6250, 23.1887



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.



72.2180, 73.8830, 89.0529



85.5203, 87.0230, 106.8975



74.4257, 75.0211, 89.1562



15.1713, 15.3956, 19.0943



10.5014, 4.4496, 44.0483



0.9262, 0.4018, 3.4636

Inverse Universe

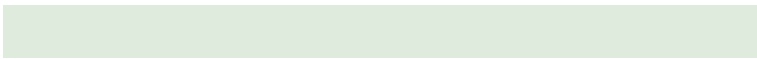
The Inverse Universe completely reimagines the original color for something new.



74.4029, 75.0915, 85.4392



88.6085, 88.7316, 101.7751



73.2243, 80.3429, 80.0587



15.7646, 15.7239, 18.1088



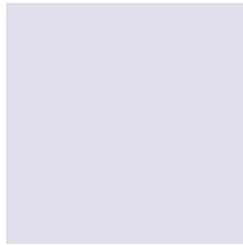
22.2444, 11.1005, 17.6203



1.7923, 0.8899, 1.6236

Previews

White Background



This preview shows how the XYZ color 72.2159, 73.8798, 89.0513 looks on a white background.

Color Contrast Check

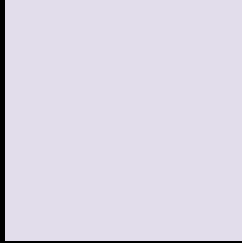
Large Text (above 18pt) WCAG AA × Fail

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 72.2159, 73.8798, 89.0513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

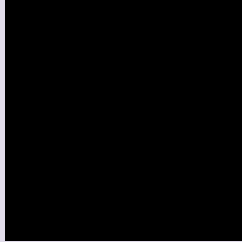
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

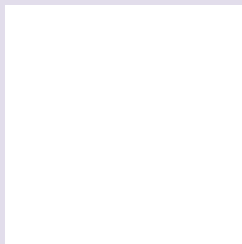
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2159, 73.8798, 89.0513

Background



This preview shows how black text looks on a background with the XYZ color 72.2159, 73.8798, 89.0513.

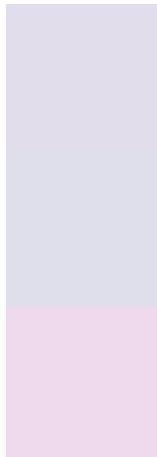


This preview shows how white text looks on a background with the XYZ color 72.2159, 73.8798,

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

72.2159, 73.8798, 89.0513

Protanopia

71.5481, 73.9287, 89.0959

Deuteranopia

75.5498, 74.0326, 89.6647



Tritanopia

72.6531, 74.0547, 91.3537

Trichromacy



Original Color

72.2159, 73.8798, 89.0513

Protanomaly

71.8571, 74.0880, 89.1104

Deuteranomaly

74.1434, 73.6914, 89.6730

Tritanomaly

72.5065, 73.9961, 90.5819

Monochromacy



Original Color

72.2159, 73.8798, 89.0513

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.4426, 74.3843, 83.9910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2159, 73.8798, 89.0513 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, 221, 235) looks like.

```
.text, #text, p{  
    color:rgb(226, 221, 235)  
}
```

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, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 221, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.2159, 73.8798, 89.0513 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, 221, 235) }
```


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

```
.border{ border-color:rgb(226, 221, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(226, 221,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2159, 73.8798, 89.0513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 221, 235) }
```

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

```
.background{ background-color: rgb(226,  
221, 235) }
```

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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