

Converting Colors

XYZ(72.1680, 74.2483, 89.1249)

Have a look what the booklet for
XYZ(72.1680, 74.2483, 89.1249)
contains.

XYZ(72.1680, 74.2483, 89.1249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.1680, 74.2483,
89.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	E1DEEB
RGB	225, 222, 235
RGB Percent	88%, 87%, 92%
CMY	0.1176, 0.1294, 0.0784
CMYK	0.04, 0.06, 0.00, 0.08
HSL	254°, 25%, 90%
HSV	254°, 6%, 92%
XYZ	72.1680, 74.2483, 89.1249
YIQ	224.3790, -2.3850, 4.6790

Conversions

Conversions Part 2

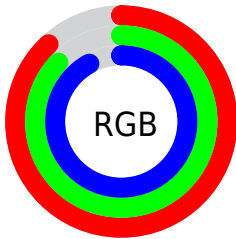
Format	Color
R _Y B	225, 222, 235
Decimal	14802667
CIE Lab	89.04, 3.39, -5.98
CIE LCh	89, 6.877, 299.535
Yxy	74.2483, 0.3064, 0.3152
Android (android.graphics.Color)	4292992747 (0xFFE1DEEB)
YUV	224.3790, 5.2362, 0.5446
Hunter-Lab	86.1675, -1.2936, -1.0077

Details

The XYZ color **72.1680, 74.2483, 89.1249** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.1747, 81.8484, 80.8945**, and the grayscale version is **71.0894, 74.7916, 81.4480**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5330, 39.4382, 48.2292** is the 20% darker color. If you saturate the color by 10%, you get **61.0150, 59.8716, 86.9389**, and if you desaturate by 10%, it is **84.7922, 90.6790, 91.6321**.

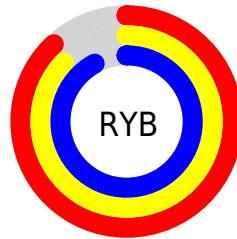
Distribution



Red (88%)

Green (87%)

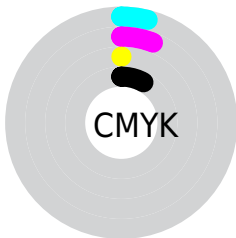
Blue (92%)



Red (88%)

Yellow (87%)

Blue (92%)

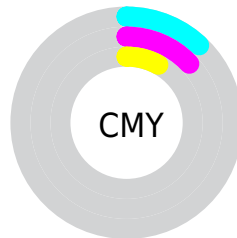


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1680, 74.2483, 89.1249 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 72.1680, 74.2483, 89.1249 by changing the saturation by 10% instead.

■ 72.1680, 74.2483,
89.1249

■ 72.1680, 74.2483,
89.1249

457.2747,
475.3299, 545.6765

■ 53.5819, 54.9973,
66.6855

121.3049,
125.2477, 148.0471

■ 38.4968, 39.3996,
48.3691

152.5863,
157.7649, 185.3670

■ 26.5475, 27.0707,
33.7572

188.8303,
195.4730, 228.4840

■ 17.3685, 17.6263,
22.4313

230.4020,
238.7563, 277.8169

■ 10.5945, 10.6820,
13.9728

277.6670,
287.9992, 333.7840

■ 5.8601, 5.8535,
7.9632

330.9905,

■ 2.8001, 2.7562,

343.5862, 396.8039

3.9840

390.7380,
405.9016, 467.2953

■ 1.0489, 1.0058,
1.6166

■ 0.0000, 0.0000,
0.3026

■ 72.1680, 74.2483,
89.1249

■ 72.1680, 74.2483,
89.1249

■ 61.0150, 59.8716,
86.9389

■ 84.7922, 90.6790,
91.6321

■ 51.2725, 47.4582,
85.0563

■ 91.9956, 98.7782,
92.8158

■ 42.8850, 36.9248,
83.4653

■ 35.7906, 28.1784,
82.1509

■ 29.9228, 21.1178,
81.0974

■ 25.2086, 15.6317,
80.2869

■ 21.5670, 11.5951,
79.6997

■ 18.9052, 8.8630,
79.3127

■ 17.1128, 7.2590,
79.0975

Harmonies

Analogous

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



70.5447, 74.2483, 90.4079



72.1680, 74.2483, 89.1249



73.3792, 74.2483, 85.6040

Triad

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



72.1680, 74.2483, 89.1249



72.2139, 74.2483, 73.1621



67.4035, 74.2483, 80.7690

Complementary

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



72.1680, 74.2483, 89.1249



76.1747, 81.8484, 80.8945

Split Complementary

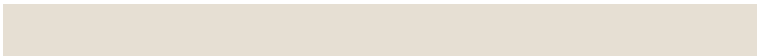
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8350, 74.2483, 76.2634



72.1680, 74.2483, 89.1249



70.5969, 74.2483, 71.9791

Square

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



72.1680, 74.2483, 89.1249



73.4060, 74.2483, 76.3880



68.9973, 74.2483, 73.0922



67.8095, 74.2483, 85.4695

Rectangle

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



72.1680, 74.2483, 89.1249



73.7807, 74.2483, 82.5283



68.9973, 74.2483, 73.0922



67.4553, 74.2483, 79.1824

Sweetspot

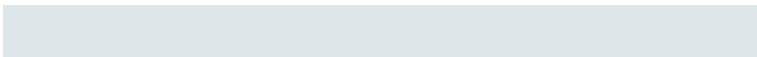
The Sweet Spot groups the original color and five complimentary colors.



72.1702, 74.2515, 89.1265



92.0155, 96.0524, 108.2980



74.0303, 79.3465, 90.0119



19.7269, 20.6005, 23.1865



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.



72.1702, 74.2515, 89.1265



84.7439, 86.6228, 106.8611



74.1764, 75.2857, 89.2204



15.0226, 15.3189, 19.0873



9.2899, 3.8251, 43.9916



0.8118, 0.3428, 3.4583

Inverse Universe

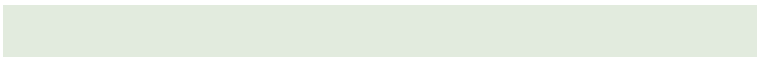
The Inverse Universe completely reimagines the original color for something new.



74.9503, 75.7343, 87.0156



88.9620, 88.8730, 103.6369



74.1604, 80.8100, 80.8002



15.8326, 15.7511, 18.4667



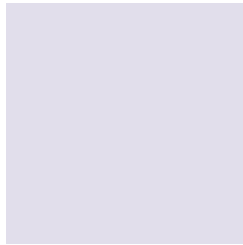
23.7506, 11.7029, 25.5516



1.9011, 0.9334, 2.1965

Previews

White Background



This preview shows how the XYZ color 72.1680, 74.2483, 89.1249 looks on a white background.

Color Contrast Check

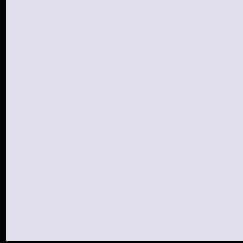
Large Text (above 18pt) WCAG AA × Fail

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 72.1680, 74.2483, 89.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

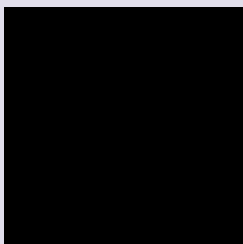
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

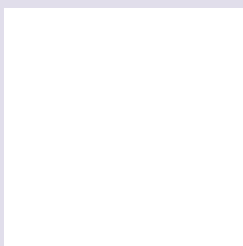
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1680, 74.2483, 89.1249

Background



This preview shows how black text looks on a background with the XYZ color 72.1680, 74.2483, 89.1249.



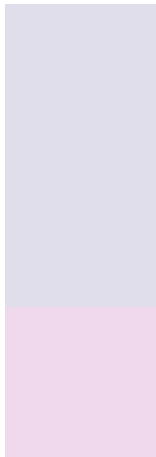
This preview shows how white text looks on a background with the XYZ color 72.1680, 74.2483,

89.1249.

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

72.1680, 74.2483, 89.1249

Protanopia

71.8571, 74.0880, 89.1104

Deuteranopia

75.8884, 74.2071, 89.6805



Tritanopia

72.8005, 74.1136, 92.1297

Trichromacy



Original Color

72.1680, 74.2483, 89.1249

Protanomaly

71.8571, 74.0880, 89.1104

Deuteranomaly

74.7328, 74.3813, 89.7751

Tritanomaly

72.6531, 74.0547, 91.3537

Monochromacy



Original Color

72.1680, 74.2483, 89.1249

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.1317, 74.2241, 83.9764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1680, 74.2483, 89.1249 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(225, 222, 235) looks like.

```
.text, #text, p{  
    color:rgb(225, 222, 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(225, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 222, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.1680, 74.2483, 89.1249 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(225, 222, 235) }
```


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

```
.border{ border-color:rgb(225, 222, 235) }
```

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

Here you see how a box with a 4 pixel rgb(225, 222, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(225, 222,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1680, 74.2483, 89.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 222, 235) }
```

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

```
.background{ background-color: rgb(225,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor