

# Converting Colors

XYZ(71.9856, 71.4726, 82.6462)

Have a look what the booklet for  
XYZ(71.9856, 71.4726, 82.6462)  
contains.

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# Color

**XYZ(72.0973, 71.6394,  
82.7009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAD7E3
RGB	234, 215, 227
RGB Percent	92%, 84%, 89%
CMY	0.0823, 0.1568, 0.1098
CMYK	0.00, 0.08, 0.03, 0.08
HSL	322°, 31%, 88%
HSV	322°, 8%, 92%
XYZ	72.0973, 71.6394, 82.7009
YIQ	222.0490, 7.4720, 7.7600

# Conversions

## Conversions Part 2

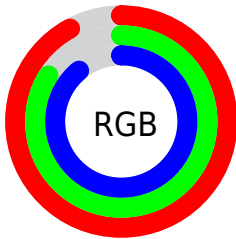
Format	Color
<a href="#">RYB</a>	<a href="#">234, 215, 227</a>
Decimal	<a href="#">15390691</a>
CIELab	<a href="#">87.79, 8.61, -3.52</a>
CIElCh	<a href="#">88, 9.301, 337.742</a>
Yxy	<a href="#">71.6394, 0.3184, 0.3164</a>
Android (android.graphics.Color)	<a href="#">4293580771 (0xFFEAD7E3)</a>
YUV	<a href="#">222.0490, 2.4408, 10.4810</a>
Hunter-Lab	<a href="#">84.6401, 3.9281, 1.3164</a>

# Details

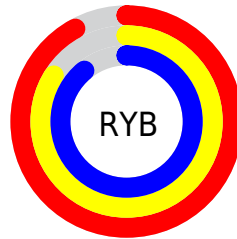
The XYZ color **72.0973, 71.6394, 82.7009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6348, 78.5686, 80.5536**, and the grayscale version is **69.4472, 73.0638, 79.5665**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3773, 37.5851, 44.2617** is the 20% darker color. If you saturate the color by 10%, you get **65.3998, 60.1007, 74.7433**, and if you desaturate by 10%, it is **79.7108, 84.9126, 91.2597**.

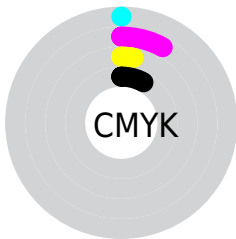
# Distribution



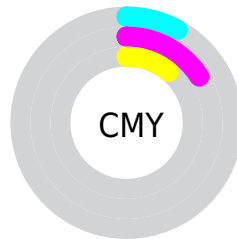
- Red (92%)
- Green (84%)
- Blue (89%)



- Red (92%)
- Yellow (84%)
- Blue (89%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (8%)



- Cyan (8%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0973, 71.6394, 82.7009 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 72.0973, 71.6394, 82.7009 by changing the saturation by 10% instead.



72.0973, 71.6394,  
82.7009

72.0973, 71.6394,  
82.7009

457.0326,  
466.2855, 523.9340

53.5239, 52.8642,  
61.4043

121.2049,  
121.5437, 139.0020

38.4503, 37.6943,  
44.1188

152.4698,  
153.4416, 174.8434

26.5112, 25.7455,  
30.4261

188.6960,  
190.4824, 216.3703

17.3411, 16.6334,  
19.9074

230.2487,  
233.0507, 264.0011

10.5748, 9.9734,  
12.1443

277.4934,  
281.5307, 318.1543

5.8469, 5.3814,  
6.7183

330.7954,

2.7920, 2.4727,

336.3069, 379.2485

3.2108

390.5200,  
397.7637, 447.7022

■ 1.0447, 0.8629,  
1.2033

■ 0.0000, 0.0000,  
0.0000

■ 72.0973, 71.6394,  
82.7009

■ 72.0973, 71.6394,  
82.7009

■ 65.3998, 60.1007,  
74.7433

■ 79.7108, 84.9126,  
91.2597

■ 59.5751, 50.2148,  
67.3656

■ 86.0589, 95.5594,  
99.6941

■ 54.5860, 41.9072,  
60.5520

■ 87.4011, 96.0963,  
106.7622

■ 50.3899, 35.0945,  
54.2838

■ 87.7422, 96.2327,  
108.5580

■ 46.9401, 29.6849,  
48.5408

■ 44.1853, 25.5769,  
43.3013

■ 42.0668, 22.6550,  
38.5409

■ 40.5159, 20.7832,  
34.2318

■ 39.4364, 19.7708,  
30.3369

# Harmonies

## Analogous

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



70.7237, 71.6394, 88.0209



72.0973, 71.6394, 82.7009



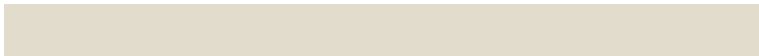
72.3862, 71.6394, 76.3762

# Triad

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



72.0973, 71.6394, 82.7009



67.5206, 71.6394, 66.5622



64.7880, 71.6394, 85.6868

# Complementary

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



72.0973, 71.6394, 82.7009



70.6348, 78.5686, 80.5536

# 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.



63.9694, 71.6394, 79.6530



72.0973, 71.6394, 82.7009



65.5247, 71.6394, 68.7758

# Square

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



72.0973, 71.6394, 82.7009



69.7123, 71.6394, 67.2803



64.2361, 71.6394, 73.4867



66.4953, 71.6394, 89.8087



# Rectangle

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



72.0973, 71.6394, 82.7009



71.9190, 71.6394, 72.4778



64.2361, 71.6394, 73.4867



64.4015, 71.6394, 83.8024

# Sweetspot

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



72.0994, 71.6425, 82.7024



93.1434, 96.6686, 106.7790



69.2686, 70.0693, 87.7169



19.9565, 20.7260, 22.8774



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.



72.0994, 71.6425, 82.7024



85.9716, 84.2052, 98.5919



70.8286, 71.1342, 76.0106



15.4657, 15.2141, 17.7376



22.1240, 11.0523, 16.9864



1.7834, 0.8863, 1.5766



# Inverse Universe

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



72.0994, 71.6425, 82.7024



85.9716, 84.2052, 98.5919



71.9393, 79.0904, 87.4232



15.4657, 15.2141, 17.7376



22.1240, 11.0523, 16.9864

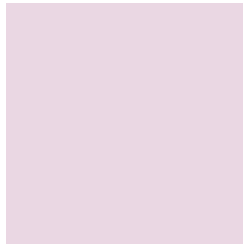


1.7834, 0.8863, 1.5766



# Previews

## White Background



This preview shows how the XYZ color 72.0973, 71.6394, 82.7009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

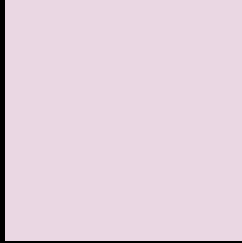
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0973, 71.6394, 82.7009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

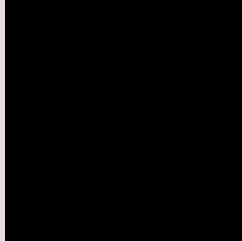
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.0973, 71.6394, 82.7009**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0973, 71.6394, 82.7009.



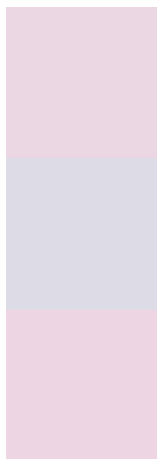
This preview shows how white text looks on a background with the XYZ color 72.0973, 71.6394,



# 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

72.0973, 71.6394, 82.7009

### Protanopia

69.2932, 71.6923, 84.3146

### Deuteranopia

72.9193, 71.3117, 82.5943



## Tritanopia

72.7313, 71.5248, 85.5736

# Trichromacy



## Original Color

72.0973, 71.6394, 82.7009

## Protanomaly

70.4390, 71.9130, 83.5668

## Deuteranomaly

72.8367, 71.6437, 82.6628

## Tritanomaly

72.5904, 71.4685, 84.8318

# Monochromacy



## Original Color

72.0973, 71.6394, 82.7009

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.1501, 72.2136, 80.7623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0973, 71.6394, 82.7009 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(234, 215, 227)` looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 227)  
}
```

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(234, 215, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0973, 71.6394, 82.7009 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(234, 215, 227) }
```



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

```
.border{ border-color:rgb(234, 215, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 215, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0973, 71.6394, 82.7009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 227) }
```

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

```
.background{ background-color: rgb(234,  
215, 227) }
```

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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