

Converting Colors

XYZ(72.8959, 69.5986,
102.5543)

Have a look what the booklet for
XYZ(72.8959, 69.5986, 102.5543)
contains.

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Color

**XYZ(73.0893, 69.8430,
102.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D2FD
RGB	229, 210, 253
RGB Percent	90%, 82%, 99%
CMY	0.1020, 0.1765, 0.0078
CMYK	0.09, 0.17, 0.00, 0.01
HSL	267°, 91%, 91%
HSV	267°, 17%, 99%
XYZ	73.0893, 69.8430, 102.5573
YIQ	220.5830, -2.4790, 17.4010

Conversions

Conversions Part 2

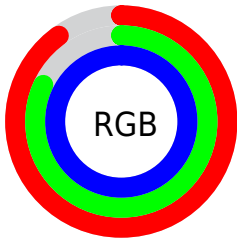
Format	Color
R _Y B	229, 210, 253
Decimal	15061757
CIE Lab	86.92, 14.46, -18.60
CIE LCh	87, 23.561, 307.861
Yxy	69.8430, 0.2977, 0.2845
Android (android.graphics.Color)	4293251837 (0xFFE5D2FD)
YUV	220.5830, 15.9816, 7.3817
Hunter-Lab	83.5721, 9.8587, -14.2585

Details

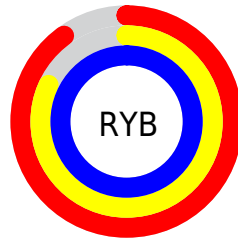
The XYZ color **73.0893, 69.8430, 102.5573** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6922, 92.3979, 74.5577**, and the grayscale version is **68.3296, 71.8881, 78.2861**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9187, 36.3124, 57.1823** is the 20% darker color. If you saturate the color by 10%, you get **63.0063, 56.0955, 100.4363**, and if you desaturate by 10%, it is **84.5305, 85.7602, 105.0277**.

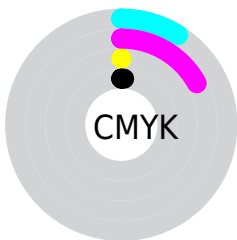
Distribution



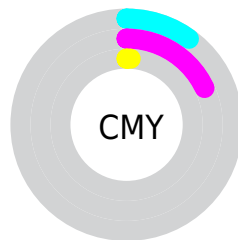
- Red (90%)
- Green (82%)
- Blue (99%)



- Red (90%)
- Yellow (82%)
- Blue (99%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0893, 69.8430, 102.5573 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 73.0893, 69.8430, 102.5573 by changing the saturation by 10% instead.

73.0893, 69.8430,
102.5573

73.0893, 69.8430,
102.5573

460.4233,
459.9986, 589.6774

54.3376, 51.3986,
77.8092

122.6064,
118.9848, 166.7495

39.1034, 36.5259,
57.4017

154.1026,
150.4510, 207.0307

27.0213, 24.8406,
40.9164

190.5776,
187.0266, 253.3267

17.7259, 15.9584,
27.9345

232.3969,
229.0959, 306.0560

10.8518, 9.4947,
18.0377

279.9257,
277.0433, 365.6372

6.0339, 5.0652,
10.8073

333.5295,

2.9065, 2.2856,

331.2533, 432.4888

5.8249

393.5735,
392.1103, 507.0294

■ 1.1045, 0.7661,
2.6718

■ 0.0289, 0.0000,
0.9292

■ 73.0893, 69.8430,
102.5573

■ 73.0893, 69.8430,
102.5573

■ 63.0063, 56.0955,
100.4363

■ 84.5305, 85.7602,
105.0277

■ 54.2203, 44.4117,
98.6442

94.7298, 99.8719,
107.2140

■ 46.6742, 34.6901,
97.1654

■ 40.3042, 26.8166,
95.9814

■ 35.0399, 20.6650,
95.0715

■ 30.8024, 16.0925,
94.4123

■ 27.5000, 12.9321,
93.9763

■ 25.0186, 10.9720,
93.7287

■ 24.3845, 10.5225,
93.6754

Harmonies

Analogous

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



67.8409, 69.8430, 110.1744



73.0893, 69.8430, 102.5573



76.6709, 69.8430, 88.0435

Triad

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



73.0893, 69.8430, 102.5573



70.4500, 69.8430, 51.2978



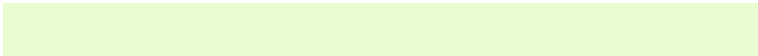
56.4476, 69.8430, 80.2660

Complementary

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



73.0893, 69.8430, 102.5573



80.6922, 92.3979, 74.5577

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.



57.0605, 69.8430, 65.1933



73.0893, 69.8430, 102.5573



64.9475, 69.8430, 49.8136

Square

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



73.0893, 69.8430, 102.5573



75.0893, 69.8430, 58.9293



60.1013, 69.8430, 54.5510



58.3783, 69.8430, 96.1952

Rectangle

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



73.0893, 69.8430, 102.5573



77.5243, 69.8430, 77.1832



60.1013, 69.8430, 54.5510



56.3650, 69.8430, 74.9223

Sweetspot

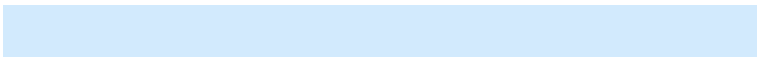
The Sweet Spot groups the original color and five complimentary colors.



73.0914, 69.8459, 102.5588



88.5467, 90.8083, 107.4686



73.8377, 79.8506, 104.4506



18.7632, 19.1702, 22.9612



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.



73.0914, 69.8459, 102.5588



71.1745, 66.6609, 103.7233



80.2503, 73.5365, 102.8939



17.7647, 17.7704, 22.7437



13.1326, 5.6806, 49.8389



1.4018, 0.6166, 4.8584

Inverse Universe

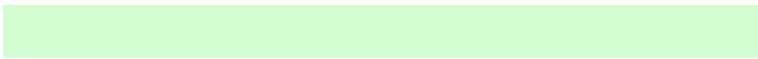
The Inverse Universe completely reimagines the original color for something new.



78.4082, 72.9193, 87.7872



77.4647, 70.2985, 86.1779



74.1624, 89.0317, 74.2521



18.4339, 18.1569, 20.9021



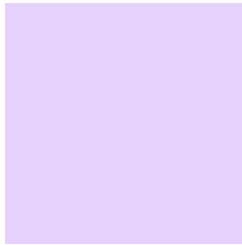
24.1895, 12.1651, 14.9141



2.4102, 1.2065, 1.7417

Previews

White Background



This preview shows how the XYZ color 73.0893, 69.8430, 102.5573 looks on a white background.

Color Contrast Check

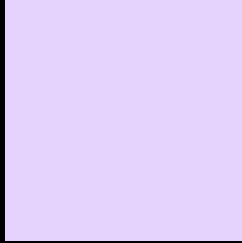
Large Text (above 18pt) WCAG AA × Fail

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 73.0893, 69.8430, 102.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

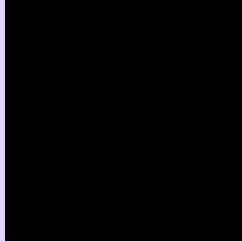
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.0893, 69.8430, 102.5573

Background



This preview shows how black text looks on a background with the XYZ color 73.0893, 69.8430, 102.5573.

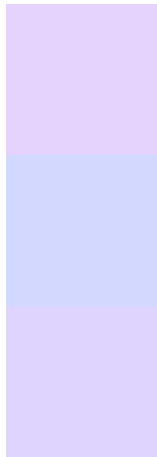


This preview shows how white text looks on a background with the XYZ color 73.0893, 69.8430,

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

73.0893, 69.8430, 102.5573

Protanopia

69.1842, 70.0334, 104.4791

Deuteranopia

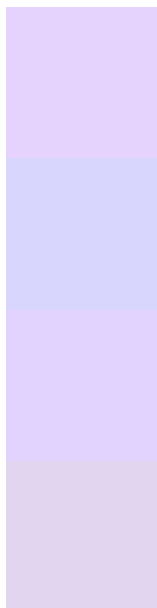
71.3973, 69.7084, 102.6205



Tritanopia

69.5217, 69.8702, 85.4234

Trichromacy



Original Color

73.0893, 69.8430, 102.5573

Protanomaly

70.5512, 70.0006, 103.5589

Deuteranomaly

72.0752, 69.6879, 102.5808

Tritanomaly

70.7383, 69.9892, 91.4423

Monochromacy



Original Color

73.0893, 69.8430, 102.5573

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

70.2613, 71.3562, 87.1607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.0893, 69.8430, 102.5573 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(229, 210, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 210, 253)  
}
```

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(229, 210, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 210, 253) }
```

Border

The CSS property to change the border of an element to XYZ 73.0893, 69.8430, 102.5573 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(229, 210, 253) }
```


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

```
.border{ border-color:rgb(229, 210, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 210, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 210, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 210, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 210,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 73.0893, 69.8430, 102.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 210, 253) }
```

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

```
.background{ background-color: rgb(229,  
210, 253) }
```

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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