

Converting Colors

XYZ(72.8793, 71.3575, 99.5067)

Have a look what the booklet for
XYZ(72.8793, 71.3575, 99.5067)
contains.

XYZ(72.8240, 71.2636, 99.5395)	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(72.8240, 71.2636,
99.5395)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D6F9
RGB	227, 214, 249
RGB Percent	89%, 84%, 98%
CMY	0.1098, 0.1608, 0.0235
CMYK	0.09, 0.14, 0.00, 0.02
HSL	262°, 74%, 91%
HSV	262°, 14%, 98%
XYZ	72.8240, 71.2636, 99.5395
YIQ	221.8770, -3.4870, 13.6410

Conversions

Conversions Part 2

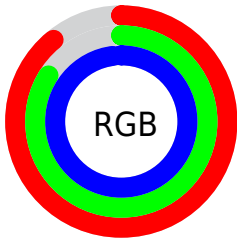
Format	Color
R _Y B	227, 214, 249
Decimal	14931705
CIE _{Lab}	87.61, 10.92, -15.46
CIE _{LCh}	88, 18.930, 305.223
Yxy	71.2636, 0.2989, 0.2925
Android (android.graphics.Color)	4293121785 (0xFFE3D6F9)
YUV	221.8770, 13.3716, 4.4929
Hunter-Lab	84.4178, 6.2541, -10.8182

Details

The XYZ color **72.8240, 71.2636, 99.5395** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6079, 90.4411, 76.8302**, and the grayscale version is **69.2566, 72.8633, 79.3482**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8184, 37.3045, 55.6066** is the 20% darker color. If you saturate the color by 10%, you get **62.2834, 57.1806, 97.3779**, and if you desaturate by 10%, it is **84.7810, 87.5105, 102.0464**.

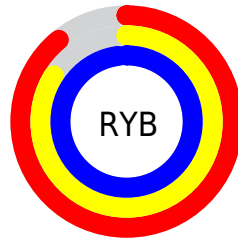
Distribution



Red (89%)

Green (84%)

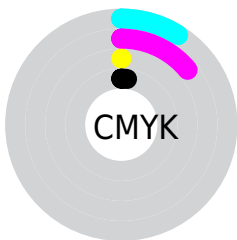
Blue (98%)



Red (89%)

Yellow (84%)

Blue (98%)

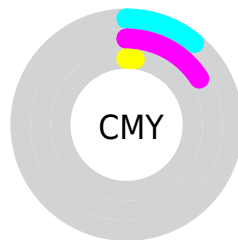


Cyan (9%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (16%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8240, 71.2636, 99.5395 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 72.8240, 71.2636, 99.5395 by changing the saturation by 10% instead.

72.8240, 71.2636,
99.5395

72.8240, 71.2636,
99.5395

459.5178,
464.9744, 579.9493

54.1199, 52.5573,
75.3013

122.2318,
121.0090, 162.5706

38.9286, 37.4495,
55.3565

153.6662,
152.8169, 202.2005

26.8847, 25.5557,
39.2867

190.0748,
189.7608, 247.7980

17.6228, 16.4916,
26.6733

231.8230,
232.2252, 299.7818

10.7775, 9.8727,
17.0977

279.2760,
280.5943, 358.5702

5.9836, 5.3146,
10.1415

332.7992,

2.8757, 2.4330,

335.2526, 424.5819

5.3861

392.7581,
396.5845, 498.2355

■ 1.0884, 0.8428,
2.4128

■ 0.0154, 0.0000,
0.7934

■ 72.8240, 71.2636,
99.5395

■ 72.8240, 71.2636,
99.5395

■ 62.2834, 57.1806,
97.3779

■ 84.7810, 87.5105,
102.0464

■ 53.0973, 45.1591,
95.5416

■ 94.0991, 99.6196,
103.8926

■ 45.2085, 35.1018,
94.0162

■ 38.5528, 26.8999,
92.7838

■ 33.0603, 20.4336,
91.8252

■ 28.6531, 15.5685,
91.1184

■ 25.2424, 12.1493,
90.6382

■ 22.7218, 9.9877,
90.3538

■ 21.5602, 9.1394,
90.2513

Harmonies

Analogous

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



68.5210, 71.2636, 104.8420



72.8240, 71.2636, 99.5395



75.8589, 71.2636, 88.3975

Triad

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



72.8240, 71.2636, 99.5395



71.4080, 71.2636, 57.2833



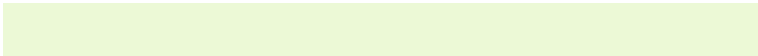
59.5136, 71.2636, 79.8612

Complementary

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



72.8240, 71.2636, 99.5395



80.6079, 90.4411, 76.8302

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.



60.2108, 71.2636, 67.7086



72.8240, 71.2636, 99.5395



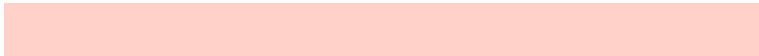
66.9529, 71.2636, 55.5303

Square

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



72.8240, 71.2636, 99.5395



75.0165, 71.2636, 64.2188



62.8867, 71.2636, 59.1371



60.9386, 71.2636, 92.7082

Rectangle

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



72.8240, 71.2636, 99.5395



76.6847, 71.2636, 79.6663



62.8867, 71.2636, 59.1371



59.5082, 71.2636, 75.5578

Sweetspot

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



72.8261, 71.2666, 99.5411



89.5622, 92.4680, 107.7354



74.8764, 81.2250, 101.3552



18.9550, 19.4979, 23.0144



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.



72.8261, 71.2666, 99.5411



73.4215, 70.5852, 104.3623



78.5716, 74.2285, 99.8100



16.8919, 16.9569, 21.7680



11.6843, 4.9661, 48.3163



1.1949, 0.5180, 4.4802

Inverse Universe

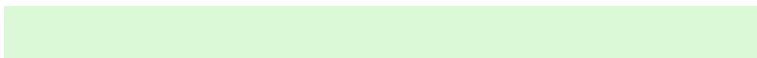
The Inverse Universe completely reimagines the original color for something new.



78.2562, 74.2921, 89.5755



80.2614, 74.3983, 91.7145



75.1290, 87.6166, 76.5738



17.7036, 17.4088, 20.2951



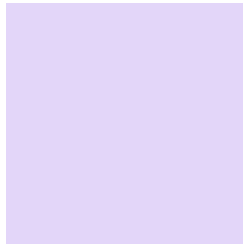
24.2190, 12.1033, 18.3933



2.2943, 1.1415, 1.9733

Previews

White Background



This preview shows how the XYZ color 72.8240, 71.2636, 99.5395 looks on a white background.

Color Contrast Check

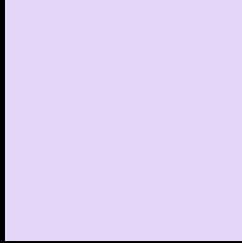
Large Text (above 18pt) WCAG AA × Fail

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 72.8240, 71.2636, 99.5395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

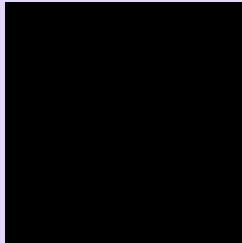
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8240, 71.2636, 99.5395

Background



This preview shows how black text looks on a background with the XYZ color 72.8240, 71.2636, 99.5395.

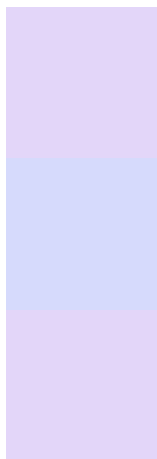


This preview shows how white text looks on a background with the XYZ color 72.8240, 71.2636,

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

72.8240, 71.2636, 99.5395

Protanopia

70.3736, 71.4672, 102.1809

Deuteranopia

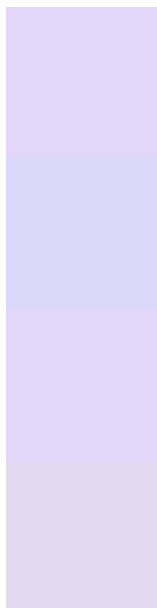
72.8240, 71.2636, 99.5395



Tritanopia

70.7155, 71.5738, 87.9299

Trichromacy



Original Color

72.8240, 71.2636, 99.5395

Protanomaly

71.4389, 71.6508, 101.3315

Deuteranomaly

72.8240, 71.2636, 99.5395

Tritanomaly

71.4999, 71.5125, 91.6962

Monochromacy



Original Color

72.8240, 71.2636, 99.5395

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.6375, 72.3365, 86.5833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8240, 71.2636, 99.5395 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(227, 214, 249)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 249)  
}
```

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(227, 214, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 249) }
```

Border

The CSS property to change the border of an element to XYZ 72.8240, 71.2636, 99.5395 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(227, 214, 249) }
```


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

```
.border{ border-color:rgb(227, 214, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 249);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8240, 71.2636, 99.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 249) }
```

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

```
.background{ background-color: rgb(227,  
214, 249) }
```

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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