

Converting Colors

XYZ(86.0128, 78.1582,
164.6696)

Have a look what the booklet for
XYZ(86.0128, 78.1582, 164.6696)
contains.

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Color

**XYZ(74.8000, 73.6937,
104.8897)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DAFF
RGB	227, 218, 255
RGB Percent	89%, 85%, 100%
CMY	0.1098, 0.1451, 0.0000
CMYK	0.11, 0.15, 0.00, 0.00
HSL	255°, 100%, 93%
HSV	255°, 15%, 100%
XYZ	74.8000, 73.6937, 104.8897
YIQ	224.9090, -6.5130, 13.4150

Conversions

Conversions Part 2

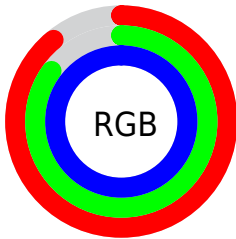
Format	Color
R _Y B	227, 218, 255
Decimal	14932735
CIE Lab	88.78, 10.00, -16.87
CIE LCh	89, 19.614, 300.652
Yxy	73.6937, 0.2952, 0.2908
Android (android.graphics.Color)	4293122815 (0xFFE3DAFF)
YUV	224.9090, 14.8349, 1.8338
Hunter-Lab	85.8450, 5.3049, -12.3519

Details

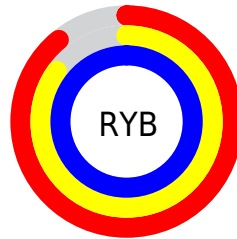
The XYZ color **74.8000, 73.6937, 104.8897** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4225, 96.1755, 80.3419**, and the grayscale version is **71.4046, 75.1232, 81.8092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0848, 38.9295, 58.8275** is the 20% darker color. If you saturate the color by 10%, you get **62.9400, 58.5085, 102.5837**, and if you desaturate by 10%, it is **88.3635, 91.2711, 107.5676**.

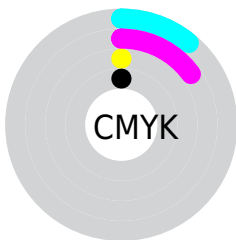
Distribution



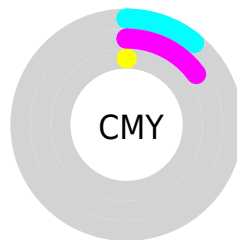
- Red (89%)
- Green (85%)
- Blue (100%)



- Red (89%)
- Yellow (85%)
- Blue (100%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8000, 73.6937, 104.8897 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 74.8000, 73.6937, 104.8897 by changing the saturation by 10% instead.

74.8000, 73.6937,
104.8897

74.8000, 73.6937,
104.8897

466.2376,
473.4156, 597.1384

55.7427, 54.5434,
79.7508

125.0186,
124.4615, 169.9709

40.2328, 39.0363,
58.9884

156.9106,
156.8478, 210.7504

27.9051, 26.7879,
42.1838

193.8116,
194.4148, 257.5804

18.3943, 17.4140,
28.9186

236.0868,
237.5471, 310.8796

11.3348, 10.5301,
18.7742

284.1017,
286.6289, 371.0664

6.3614, 5.7518,
11.3321

338.2215,

3.1088, 2.6948,

342.0446, 438.5595

6.1737

398.8117,
404.1787, 513.7773

■ 1.2116, 0.9745,
2.8805

■ 0.1155, 0.0000,
1.0339

■ 74.8000, 73.6937,
104.8897

■ 74.8000, 73.6937,
104.8897

■ 62.9400, 58.5085,
102.5837

■ 88.3635, 91.2711,
107.5676

■ 52.7088, 45.6023,
100.6318

95.0500, 100.0000,
108.9000

■ 44.0348, 34.8659,
99.0167

■ 36.8386, 26.1779,
97.7190

■ 31.0334, 19.4041,
96.7175

■ 26.5229, 14.3945,
95.9882

■ 23.1973, 10.9753,
95.5036

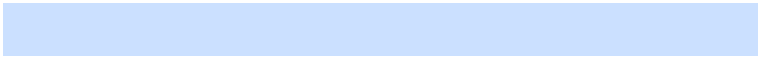
■ 20.9257, 8.9357,
95.2296

■ 20.0377, 8.2447,
95.1430

Harmonies

Analogous

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



70.1475, 73.6937, 109.3142



74.8000, 73.6937, 104.8897



78.3033, 73.6937, 93.7433

Triad

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



74.8000, 73.6937, 104.8897



74.6123, 73.6937, 59.5463



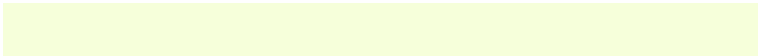
61.3089, 73.6937, 80.5376

Complementary

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



74.8000, 73.6937, 104.8897



86.4225, 96.1755, 80.3419

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.



62.3863, 73.6937, 68.0998



74.8000, 73.6937, 104.8897



69.9399, 73.6937, 56.8403

Square

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



74.8000, 73.6937, 104.8897



78.1915, 73.6937, 67.6392



65.4933, 73.6937, 59.7904



62.4825, 73.6937, 94.3157

Rectangle

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



74.8000, 73.6937, 104.8897



79.4398, 73.6937, 84.5606



65.4933, 73.6937, 59.7904



61.4193, 73.6937, 76.0690

Sweetspot

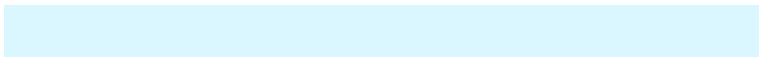
The Sweet Spot groups the original color and five complimentary colors.



74.8020, 73.6967, 104.8901



89.0988, 92.2291, 107.7137



80.0327, 88.2617, 107.4258



18.8380, 19.4376, 23.0089



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.



74.8020, 73.6967, 104.8901



71.6894, 69.6922, 104.2812



80.8259, 76.8021, 105.1721



17.4167, 17.5910, 22.7274



10.5815, 4.3654, 49.7195



1.1236, 0.4732, 4.8454

Inverse Universe

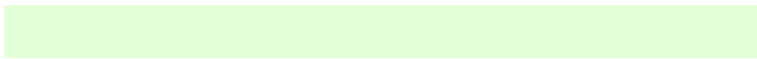
The Inverse Universe completely reimagines the original color for something new.



82.9477, 78.0594, 97.8861



81.0947, 74.7316, 96.1028



80.3693, 93.0550, 80.0586



18.5927, 18.2204, 21.7383



26.6394, 13.1450, 27.8152



2.6367, 1.2971, 2.9344

Previews

White Background



This preview shows how the XYZ color 74.8000, 73.6937, 104.8897 looks on a white background.

Color Contrast Check

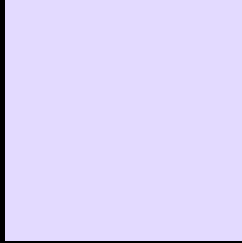
Large Text (above 18pt) WCAG AA × Fail

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 74.8000, 73.6937, 104.8897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

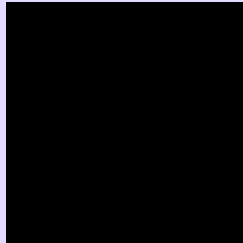
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.8000, 73.6937, 104.8897

Background



This preview shows how black text looks on a background with the XYZ color 74.8000, 73.6937, 104.8897.

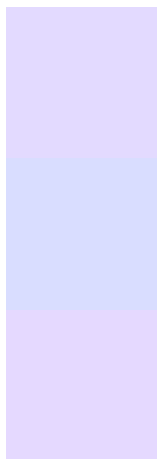


This preview shows how white text looks on a background with the XYZ color 74.8000, 73.6937,

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

74.8000, 73.6937, 104.8897

Protanopia

72.5217, 73.6846, 105.0080

Deuteranopia

75.1760, 73.5037, 104.8332



Tritanopia

72.0295, 73.7332, 91.3245

Trichromacy



Original Color

74.8000, 73.6937, 104.8897

Protanomaly

73.4620, 73.7786, 104.9766

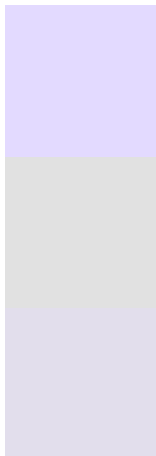
Deuteranomaly

74.8578, 73.3397, 104.8183

Tritanomaly

72.9737, 73.7256, 95.9723

Monochromacy



Original Color

74.8000, 73.6937, 104.8897

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

72.6256, 74.4674, 89.9028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8000, 73.6937, 104.8897 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 218, 255)  
}
```

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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.8000, 73.6937, 104.8897 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, 218, 255) }
```


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

```
.border{ border-color:rgb(227, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8000, 73.6937, 104.8897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 218, 255) }
```

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

```
.background{ background-color: rgb(227,  
218, 255) }
```

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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