

# Converting Colors

XYZ(71.9872, 70.4566, 97.0530)

Have a look what the booklet for  
XYZ(71.9872, 70.4566, 97.0530)  
contains.

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# **Color**

**XYZ(72.1074, 70.5732,  
97.0103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D5F6
RGB	227, 213, 246
RGB Percent	89%, 84%, 96%
CMY	0.1098, 0.1647, 0.0353
CMYK	0.08, 0.13, 0.00, 0.04
HSL	265°, 65%, 90%
HSV	265°, 13%, 96%
XYZ	72.1074, 70.5732, 97.0103
YIQ	220.9480, -2.2490, 13.2310

# Conversions

## Conversions Part 2

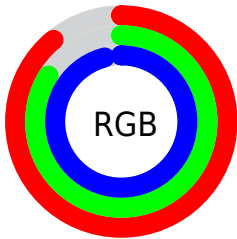
Format	Color
R <sub>Y</sub> B	227, 213, 246
Decimal	14931446
CIE Lab	87.28, 10.86, -14.38
CIE LCh	87, 18.024, 307.050
Yxy	70.5732, 0.3008, 0.2944
Android (android.graphics.Color)	4293121526 (0xFFE3D5F6)
YUV	220.9480, 12.3506, 5.3076
Hunter-Lab	84.0079, 6.2001, -9.6612

# Details

The XYZ color **72.1074, 70.5732, 97.0103** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.2471, 87.8732, 75.7913**, and the grayscale version is **68.6098, 72.1828, 78.6071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5344, 36.9421, 53.8148** is the 20% darker color. If you saturate the color by 10%, you get **62.0981, 56.9154, 94.9027**, and if you desaturate by 10%, it is **83.4271, 86.3035, 99.4510**.

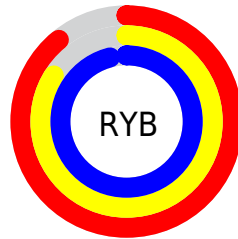
# Distribution



Red (89%)

Green (84%)

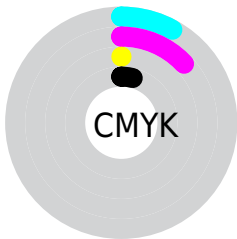
Blue (96%)



Red (89%)

Yellow (84%)

Blue (96%)

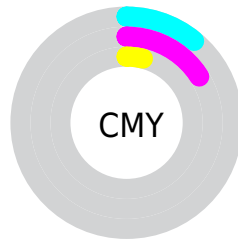


Cyan (8%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (16%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1074, 70.5732, 97.0103 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 72.1074, 70.5732, 97.0103 by changing the saturation by 10% instead.



72.1074, 70.5732,  
97.0103

72.1074, 70.5732,  
97.0103

457.0672,  
462.5601, 571.7288

53.5322, 51.9940,  
73.2032

121.2192,  
120.0258, 159.0584

38.4570, 37.0003,  
53.6493

152.4865,  
151.6680, 198.1364

26.5164, 25.2077,  
37.9301

188.7152,  
188.4333, 243.1419

17.3450, 16.2319,  
25.6270

230.2706,  
230.7061, 294.4932

10.5776, 9.6884,  
16.3216

277.5182,  
278.8707, 352.6091

5.8488, 5.1928,  
9.5952

330.8232,

2.7931, 2.3608,

333.3117, 417.9079

5.0293

390.5511,  
394.4133, 490.8083

■ 1.0453, 0.8056,  
2.2054

■ 0.0000, 0.0000,  
0.6775

■ 72.1074, 70.5732,  
97.0103

■ 72.1074, 70.5732,  
97.0103

■ 62.0981, 56.9154,  
94.9027

■ 83.4271, 86.3035,  
99.4510

■ 53.3418, 45.2324,  
93.1092

■ 93.6348, 99.4339,  
101.4474

■ 45.7862, 35.4317,  
91.6157

■ 39.3724, 27.4097,  
90.4053

■ 34.0362, 21.0527,  
89.4595

■ 29.7061, 16.2331,  
88.7575

■ 26.3004, 12.8038,  
88.2751

■ 23.7216, 10.5869,  
87.9831

■ 22.3849, 9.6182,  
87.8666

# Harmonies

## Analogous

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



68.0827, 70.5732, 102.4039



72.1074, 70.5732, 97.0103



74.8635, 70.5732, 86.3047

# Triad

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



72.1074, 70.5732, 97.0103



70.3051, 70.5732, 57.2958



59.3123, 70.5732, 79.7418

# Complementary

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



72.1074, 70.5732, 97.0103



78.2471, 87.8732, 75.7913

# 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.



59.8513, 70.5732, 68.0980



72.1074, 70.5732, 97.0103



66.0827, 70.5732, 55.9331

# Square

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



72.1074, 70.5732, 97.0103



73.7927, 70.5732, 63.6233



62.2875, 70.5732, 59.6831



60.7829, 70.5732, 91.7760



# Rectangle

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



72.1074, 70.5732, 97.0103



75.5479, 70.5732, 78.0494



62.2875, 70.5732, 59.6831



59.2655, 70.5732, 75.6475

# Sweetspot

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



72.1095, 70.5762, 97.0119



89.7541, 92.5669, 107.7444



73.0046, 78.6565, 98.5243



19.0035, 19.5229, 23.0167



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.



72.1095, 70.5762, 97.0119



75.2663, 72.4879, 104.6324



77.4793, 73.3444, 97.2632



16.2475, 16.2703, 20.8267



12.1005, 5.2123, 46.9063



1.1783, 0.5173, 4.1280



# Inverse Universe

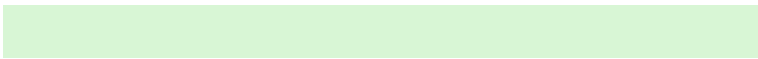
The Inverse Universe completely reimagines the original color for something new.



76.3681, 73.0105, 86.4145



80.7247, 75.6094, 90.9917



73.2135, 85.2783, 75.5557



16.8991, 16.6425, 19.2154



22.9497, 11.5233, 14.9755

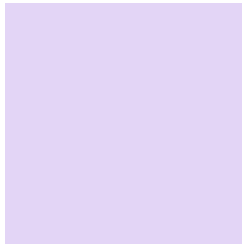


2.0684, 1.0333, 1.5865



# Previews

## White Background



This preview shows how the XYZ color 72.1074, 70.5732, 97.0103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

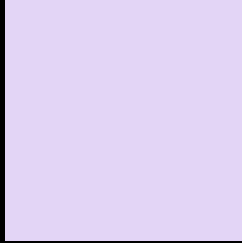
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1074, 70.5732, 97.0103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

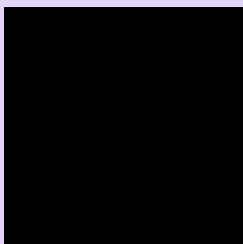
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.1074, 70.5732, 97.0103**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1074, 70.5732, 97.0103.



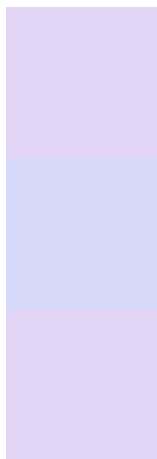
This preview shows how white text looks on a background with the XYZ color 72.1074, 70.5732,



# 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

72.1074, 70.5732, 97.0103

### Protanopia

69.6433, 70.7614, 99.6103

### Deuteranopia

72.1074, 70.5732, 97.0103



## Tritanopia

69.9173, 70.4346, 86.2541

# Trichromacy



## Original Color

72.1074, 70.5732, 97.0103

## Protanomaly

70.7126, 70.9491, 98.7745

## Deuteranomaly

72.1074, 70.5732, 97.0103

## Tritanomaly

70.6967, 70.3763, 89.9786

# Monochromacy



## Original Color

72.1074, 70.5732, 97.0103

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.7858, 71.5440, 84.9942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1074, 70.5732, 97.0103 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, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(227, 213, 246)  
}
```

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, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 213, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1074, 70.5732, 97.0103 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, 213, 246) }
```



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

```
.border{ border-color:rgb(227, 213, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(227, 213,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1074, 70.5732, 97.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 213, 246) }
```

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

```
.background{ background-color: rgb(227,  
213, 246) }
```

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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