

# Converting Colors

XYZ(72.5813, 70.3677, 97.8771)

Have a look what the booklet for  
XYZ(72.5813, 70.3677, 97.8771)  
contains.

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# Color

**XYZ(72.6451, 70.4604,  
97.7671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D4F7
RGB	229, 212, 247
RGB Percent	90%, 83%, 97%
CMY	0.1020, 0.1686, 0.0314
CMYK	0.07, 0.14, 0.00, 0.03
HSL	269°, 69%, 90%
HSV	269°, 14%, 97%
XYZ	72.6451, 70.4604, 97.7671
YIQ	221.0730, -1.1030, 14.4890

# Conversions

## Conversions Part 2

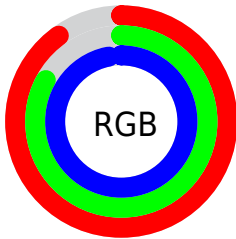
Format	Color
R <sub>Y</sub> B	229, 212, 247
Decimal	15062263
CIE Lab	87.22, 12.23, -14.98
CIE LCh	87, 19.336, 309.225
Yxy	70.4604, 0.3016, 0.2925
Android (android.graphics.Color)	4293252343 (0xFFE5D4F7)
YUV	221.0730, 12.7820, 6.9520
Hunter-Lab	83.9407, 7.5837, -10.2975

# Details

The XYZ color **72.6451, 70.4604, 97.7671** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.7801, 88.0998, 75.1963**, and the grayscale version is **68.6940, 72.2714, 78.7036**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6945, 36.7598, 54.3461** is the 20% darker color. If you saturate the color by 10%, you get **63.0309, 57.0301, 95.6826**, and if you desaturate by 10%, it is **83.5047, 85.9386, 100.1834**.

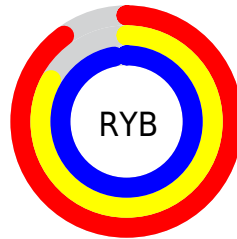
# Distribution



Red (90%)

Green (83%)

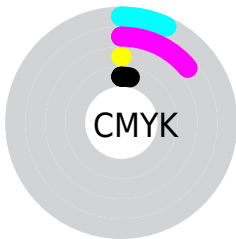
Blue (97%)



Red (90%)

Yellow (83%)

Blue (97%)

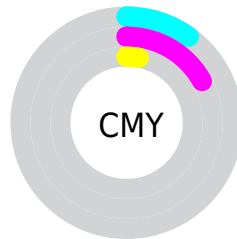


Cyan (7%)

Magenta (14%)

Yellow (0%)

Black (3%)



Cyan (10%)

Magenta (17%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6451, 70.4604, 97.7671 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 72.6451, 70.4604, 97.7671 by changing the saturation by 10% instead.



72.6451, 70.4604,  
97.7671

72.6451, 70.4604,  
97.7671

458.9067,  
462.1649, 574.1952

53.9732, 51.9020,  
73.8306

121.9791,  
119.8651, 160.1103

38.8108, 36.9269,  
54.1595

153.3719,  
151.4801, 199.3540

26.7926, 25.1509,  
38.3351

189.7356,  
188.2161, 244.5373

17.5533, 16.1895,  
25.9390

231.4357,  
230.4575, 296.0786

10.7275, 9.6584,  
16.5527

278.8375,  
278.5887, 354.3966

5.9499, 5.1730,  
9.7575

332.3064,

2.8550, 2.3491,

332.9941, 419.9096

5.1350

392.2077,  
394.0580, 493.0363

■ 1.0775, 0.7995,  
2.2666

■ 0.0062, 0.0000,  
0.7124

■ 72.6451, 70.4604,  
97.7671

■ 72.6451, 70.4604,  
97.7671

■ 63.0309, 57.0301,  
95.6826

■ 83.5047, 85.9386,  
100.1834

■ 54.6066, 45.5499,  
93.9107

■ 93.5719, 99.3837,  
102.2480

■ 47.3218, 35.9273,  
92.4373

■ 93.7887, 99.4955,  
102.2581

■ 41.1196, 28.0585,  
91.2454

■ 35.9376, 21.8292,  
90.3161

■ 31.7062, 17.1110,  
89.6284

■ 28.3455, 13.7553,  
89.1578

■ 25.7590, 11.5811,  
88.8745

■ 24.5292, 10.7059,  
88.7704

# Harmonies

## Analogous

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



68.3800, 70.4604, 104.1439



72.6451, 70.4604, 97.7671



75.4704, 70.4604, 85.9353

# Triad

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



72.6451, 70.4604, 97.7671



70.1155, 70.4604, 55.6337



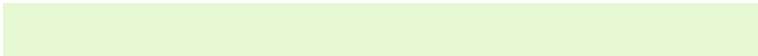
58.7164, 70.4604, 80.7984

# Complementary

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



72.6451, 70.4604, 97.7671



77.7801, 88.0998, 75.1963

# Split Complementary

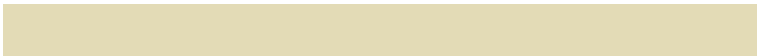
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.1340, 70.4604, 68.1871



72.6451, 70.4604, 97.7671



65.5805, 70.4604, 54.5890

# Square

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



72.6451, 70.4604, 97.7671



73.9648, 70.4604, 61.9679



61.5994, 70.4604, 58.9325



60.4317, 70.4604, 93.6438



# Rectangle

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



72.6451, 70.4604, 97.7671



76.0860, 70.4604, 77.0582



61.5994, 70.4604, 58.9325



58.6137, 70.4604, 76.3816

# Sweetspot

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



72.6472, 70.4634, 97.7686



89.9781, 92.6824, 107.7549



72.2625, 77.3551, 99.1192



19.0602, 19.5521, 23.0193



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.



72.6472, 70.4634, 97.7686



75.0138, 71.4060, 104.4368



78.4863, 73.4736, 98.0419



16.3473, 16.3217, 20.8314



13.1352, 5.7458, 46.9548



1.2726, 0.5659, 4.1324



# Inverse Universe

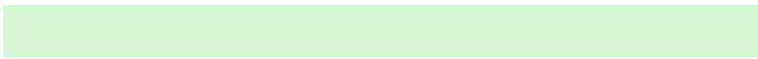
The Inverse Universe completely reimagines the original color for something new.



76.1866, 72.5774, 84.8596



79.5396, 74.1096, 87.9136



72.4668, 85.3607, 74.9477



16.8550, 16.6248, 18.9828



22.3856, 11.2977, 12.0048

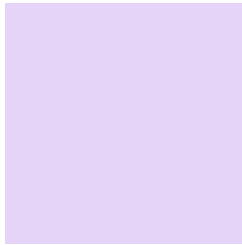


2.0194, 1.0137, 1.3286



# Previews

## White Background



This preview shows how the XYZ color 72.6451, 70.4604, 97.7671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

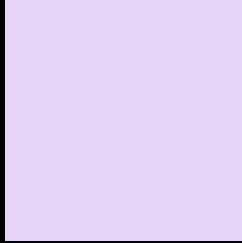
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6451, 70.4604, 97.7671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

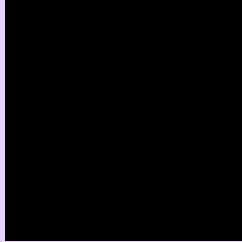
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.6451, 70.4604, 97.7671**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6451, 70.4604, 97.7671.



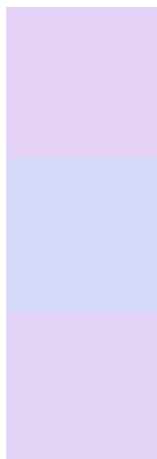
This preview shows how white text looks on a background with the XYZ color 72.6451, 70.4604,

97.7671.

# 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

72.6451, 70.4604, 97.7671

### Protanopia

69.5087, 70.6740, 100.4204

### Deuteranopia

72.2613, 70.6348, 97.8210



## Tritanopia

70.5445, 70.7580, 86.2835

# Trichromacy



## Original Color

72.6451, 70.4604, 97.7671

## Protanomaly

70.6127, 70.5005, 99.5088

## Deuteranomaly

72.5777, 70.7979, 97.8358

## Tritanomaly

71.3275, 70.7015, 90.0082

# Monochromacy



## Original Color

72.6451, 70.4604, 97.7671

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

70.0948, 71.7033, 85.0086

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6451, 70.4604, 97.7671 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, 212, 247)` looks like.

```
.text, #text, p{  
    color:rgb(229, 212, 247)  
}
```

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, 212, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 212, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6451, 70.4604, 97.7671 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, 212, 247) }
```



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

```
.border{ border-color:rgb(229, 212, 247) }
```

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

Here you see how a box with a 4 pixel rgb(229, 212, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 212, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 212, 247);  
box-shadow:4px 4px 4px 4px rgb(229, 212,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6451, 70.4604, 97.7671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 212, 247) }
```

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

```
.background{ background-color: rgb(229,  
212, 247) }
```

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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