

# Converting Colors

XYZ(79.5138, 75.8893,  
131.5941)

Have a look what the booklet for  
XYZ(79.5138, 75.8893, 131.5941)  
contains.

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# Color

**XYZ(74.4329, 73.8906,  
104.9470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DBFF
RGB	225, 219, 255
RGB Percent	88%, 86%, 100%
CMY	0.1176, 0.1412, 0.0000
CMYK	0.12, 0.14, 0.00, 0.00
HSL	250°, 100%, 93%
HSV	250°, 14%, 100%
XYZ	74.4329, 73.8906, 104.9470
YIQ	224.8980, -7.9800, 12.4680

# Conversions

## Conversions Part 2

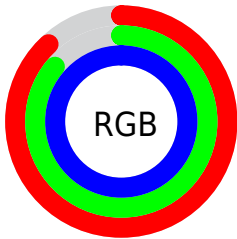
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 219, 255
Decimal	14801919
CIE Lab	88.87, 8.84, -16.75
CIE LCh	89, 18.939, 297.829
Yxy	73.8906, 0.2939, 0.2917
Android (android.graphics.Color)	4292991999 (0xFFE1DBFF)
YUV	224.8980, 14.8403, 0.0895
Hunter-Lab	85.9596, 4.1347, -12.2146

# Details

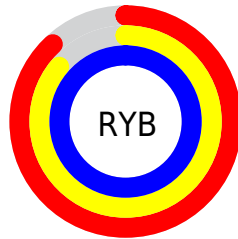
The XYZ color **74.4329, 73.8906, 104.9470** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6147, 96.7750, 81.0830**, and the grayscale version is **71.3975, 75.1157, 81.8010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0461, 39.1742, 58.8768** is the 20% darker color. If you saturate the color by 10%, you get **62.0655, 58.3858, 102.6061**, and if you desaturate by 10%, it is **88.6479, 91.8645, 107.6671**.

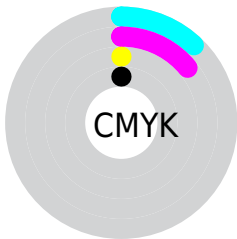
# Distribution



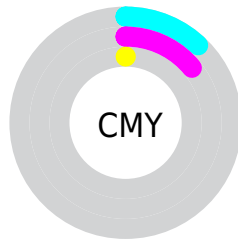
- Red (88%)
- Green (86%)
- Blue (100%)



- Red (88%)
- Yellow (86%)
- Blue (100%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4329, 73.8906, 104.9470 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 74.4329, 73.8906, 104.9470 by changing the saturation by 10% instead.



74.4329, 73.8906,  
104.9470

74.4329, 73.8906,  
104.9470

464.9934,  
474.0957, 597.3210

55.4410, 54.7045,  
79.7985

124.5015,  
124.7407, 170.0500

39.9901, 39.1652,  
59.0274

156.3089,  
157.1735, 210.8416

27.7150, 26.8883,  
42.2150

193.1187,  
194.7907, 257.6847

18.2503, 17.4893,  
28.9429

235.2965,  
237.9766, 310.9978

11.2306, 10.5840,  
18.7924

283.2075,  
287.1157, 371.1994

6.2906, 5.7878,  
11.3451

337.2171,

3.0649, 2.7165,

342.5923, 438.7082

6.1824

397.6906,  
404.7908, 513.9425

■ 1.1882, 0.9856,  
2.8857

■ 0.0970, 0.0000,  
1.0366

■ 74.4329, 73.8906,  
104.9470

■ 74.4329, 73.8906,  
104.9470

■ 62.0655, 58.3858,  
102.6061

■ 88.6479, 91.8645,  
107.6671

■ 51.4632, 45.2332,  
100.6262

95.0500, 100.0000,  
108.9000

■ 42.5464, 34.3196,  
98.9896

■ 35.2267, 25.5190,  
97.6767

■ 29.4074, 18.6928,  
96.6659

■ 24.9812, 13.6857,  
95.9327

■ 21.8258, 10.3184,  
95.4490

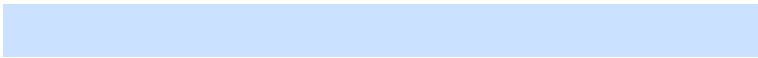
■ 19.7960, 8.3738,  
95.1807

■ 19.0249, 7.7226,  
95.0956

# Harmonies

## Analogous

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



69.8969, 73.8906, 108.4543



74.4329, 73.8906, 104.9470



77.9711, 73.8906, 94.6803

# Triad

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



74.4329, 73.8906, 104.9470



75.0367, 73.8906, 60.8958



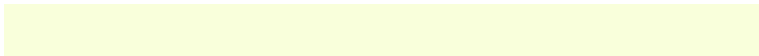
61.7737, 73.8906, 79.5002

# Complementary

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



74.4329, 73.8906, 104.9470



87.6147, 96.7750, 81.0830

# 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.



63.0205, 73.8906, 67.7298



74.4329, 73.8906, 104.9470



70.5658, 73.8906, 57.7429

# Square

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



74.4329, 73.8906, 104.9470



78.3303, 73.8906, 69.2198



66.1899, 73.8906, 60.1036



62.7098, 73.8906, 92.8430



# Rectangle

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



74.4329, 73.8906, 104.9470



79.2182, 73.8906, 85.9032



66.1899, 73.8906, 60.1036



61.9502, 73.8906, 75.2409

# Sweetspot

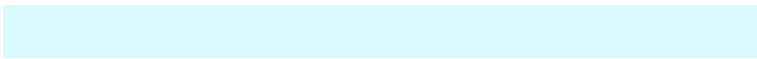
The Sweet Spot groups the original color and five complimentary colors.



74.4349, 73.8936, 104.9475



88.8234, 92.0871, 107.7008



81.3266, 90.4042, 107.7711



18.7686, 19.4018, 23.0057



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.



74.4349, 73.8936, 104.9475



70.6813, 69.1725, 104.2341



80.1388, 76.8341, 105.2144



17.2850, 17.5231, 22.7212



10.0230, 4.0775, 49.6934



1.0514, 0.4359, 4.8420



# Inverse Universe

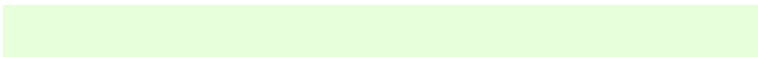
The Inverse Universe completely reimagines the original color for something new.



83.6721, 78.7654, 100.4179



81.6048, 74.9356, 98.7888



81.6969, 93.7242, 80.8060



18.6550, 18.2453, 22.0666



27.8402, 13.6254, 34.1387



2.7437, 1.3398, 3.4976



# Previews

## White Background



This preview shows how the XYZ color 74.4329, 73.8906, 104.9470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

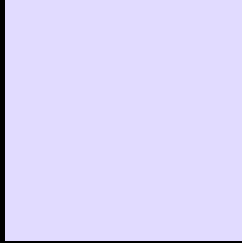
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4329, 73.8906, 104.9470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

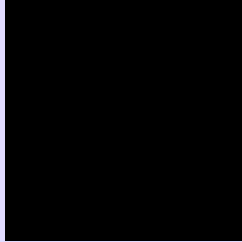
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.4329, 73.8906, 104.9470

## Background



This preview shows how black text looks on a background with the XYZ color 74.4329, 73.8906, 104.9470.



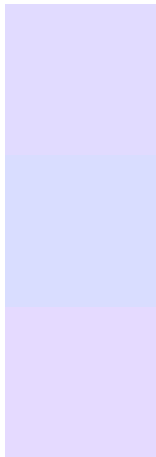
This preview shows how white text looks on a background with the XYZ color 74.4329, 73.8906,



# 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

74.4329, 73.8906, 104.9470

### Protanopia

72.5217, 73.6846, 105.0080

### Deuteranopia

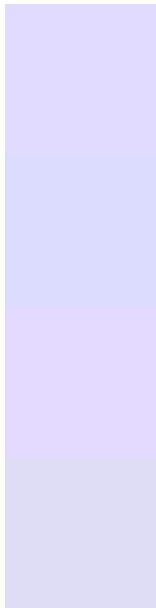
75.4345, 74.0208, 104.9194



## **Tritanopia**

71.8255, 74.0041, 92.1600

# Trichromacy



## Original Color

74.4329, 73.8906, 104.9470

## Protanomaly

73.1584, 73.6220, 104.9624

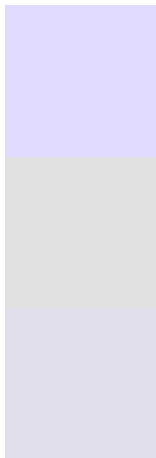
## Deuteranomaly

75.1163, 73.8568, 104.9045

## Tritanomaly

72.7693, 73.9935, 96.8330

# Monochromacy



## Original Color

74.4329, 73.8906, 104.9470

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

72.5793, 74.8390, 89.9769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4329, 73.8906, 104.9470 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(225, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 219, 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(225, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 219, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4329, 73.8906, 104.9470 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(225, 219, 255) }
```



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

```
.border{ border-color:rgb(225, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 219, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 219, 255); box-shadow:4px 4px 4px 4px rgb(225, 219, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4329, 73.8906, 104.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 219, 255) }
```

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

```
.background{ background-color: rgb(225,  
219, 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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