

# Converting Colors

XYZ(71.7773, 70.4220, 96.9596)

Have a look what the booklet for  
XYZ(71.7773, 70.4220, 96.9596)  
contains.

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# Color

**XYZ(71.7928, 70.4111,  
96.9956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D5F6
RGB	226, 213, 246
RGB Percent	89%, 84%, 96%
CMY	0.1137, 0.1647, 0.0353
CMYK	0.08, 0.13, 0.00, 0.04
HSL	264°, 65%, 90%
HSV	264°, 13%, 96%
XYZ	71.7928, 70.4111, 96.9956
YIQ	220.6490, -2.8450, 13.0190

# Conversions

## Conversions Part 2

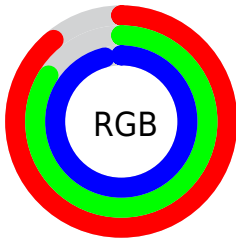
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 213, 246
Decimal	14865910
CIE Lab	87.20, 10.54, -14.51
CIE LCh	87, 17.933, 305.982
Yxy	70.4111, 0.3001, 0.2944
Android (android.graphics.Color)	4293055990 (0xFFE2D5F6)
YUV	220.6490, 12.4980, 4.6928
Hunter-Lab	83.9113, 5.8761, -9.7972

# Details

The XYZ color **71.7928, 70.4111, 96.9956** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5729, 88.0412, 75.8067**, and the grayscale version is **68.3996, 71.9617, 78.3663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3157, 36.8294, 53.8045** is the 20% darker color. If you saturate the color by 10%, you get **61.5947, 56.6560, 94.8792**, and if you desaturate by 10%, it is **83.3403, 86.2588, 99.4470**.

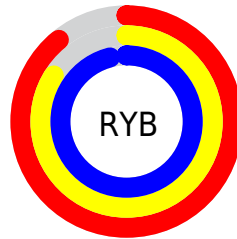
# Distribution



Red (89%)

Green (84%)

Blue (96%)



Red (89%)

Yellow (84%)

Blue (96%)

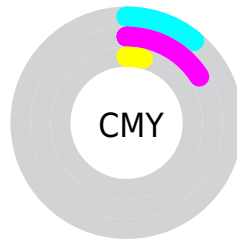


Cyan (8%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (16%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7928, 70.4111, 96.9956 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 71.7928, 70.4111, 96.9956 by changing the saturation by 10% instead.



71.7928, 70.4111,  
96.9956

71.7928, 70.4111,  
96.9956

455.9889,  
461.9921, 571.6809

53.2743, 51.8618,  
73.1910

120.7743,  
119.7948, 159.0380

38.2501, 36.8949,  
53.6394

151.9680,  
151.3980, 198.1128

26.3550, 25.1261,  
37.9222

188.1175,  
188.1212, 243.1148

17.2235, 16.1710,  
25.6210

229.5881,  
230.3489, 294.4624

10.4902, 9.6453,  
16.3171

276.7452,  
278.4655, 352.5743

5.7899, 5.1644,  
9.5920

329.9541,

2.7572, 2.3440,

332.8552, 417.8690

5.0273

389.5802,  
393.9027, 490.7650

■ 1.0267, 0.7969,  
2.2042

■ 0.0000, 0.0000,  
0.6768

■ 71.7928, 70.4111,  
96.9956

■ 71.7928, 70.4111,  
96.9956

■ 61.5947, 56.6560,  
94.8792

■ 83.3403, 86.2588,  
99.4470

■ 52.6873, 44.8951,  
93.0786

■ 93.6348, 99.4339,  
101.4475

■ 45.0165, 35.0349,  
91.5797

■ 38.5218, 26.9713,  
90.3655

■ 33.1372, 20.5893,  
89.4175

■ 28.7893, 15.7605,  
88.7146

■ 25.3943, 12.3367,  
88.2327

■ 22.8525, 10.1388,  
87.9424

■ 21.5534, 9.1895,  
87.8276

# Harmonies

## Analogous

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



67.7707, 70.4111, 102.1091



71.7928, 70.4111, 96.9956



74.5927, 70.4111, 86.4934

# Triad

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



71.7928, 70.4111, 96.9956



70.2725, 70.4111, 57.3810



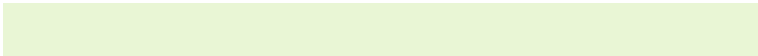
59.1919, 70.4111, 79.1071

# Complementary

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



71.7928, 70.4111, 96.9956



78.5729, 88.0412, 75.8067

# 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.



59.7991, 70.4111, 67.6122



71.7928, 70.4111, 96.9956



66.0836, 70.4111, 55.8445

# Square

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



71.7928, 70.4111, 96.9956



73.6895, 70.4111, 63.8366



62.2798, 70.4111, 59.3957



60.5851, 70.4111, 91.1079



# Rectangle

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



71.7928, 70.4111, 96.9956



75.3271, 70.4111, 78.3015



62.2798, 70.4111, 59.3957



59.1697, 70.4111, 75.0529

# Sweetspot

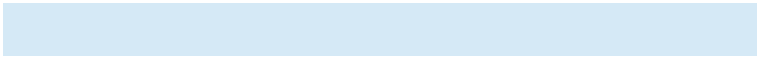
The Sweet Spot groups the original color and five complimentary colors.



71.7949, 70.4141, 96.9972



89.6439, 92.5101, 107.7392



73.3158, 79.2786, 98.6280



18.9757, 19.5085, 23.0153



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.



71.7949, 70.4141, 96.9972



74.8672, 72.2822, 104.6137



77.1004, 73.1492, 97.2454



16.1987, 16.2451, 20.8244



11.6509, 4.9806, 46.8853



1.1360, 0.4955, 4.1260



# Inverse Universe

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



76.5108, 73.0677, 87.1653



80.9068, 75.6823, 91.9508



73.5392, 85.4462, 75.5711



16.9210, 16.6513, 19.3308



23.2572, 11.6463, 16.5946

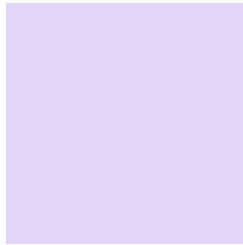


2.0945, 1.0438, 1.7242



# Previews

## White Background



This preview shows how the XYZ color 71.7928, 70.4111, 96.9956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

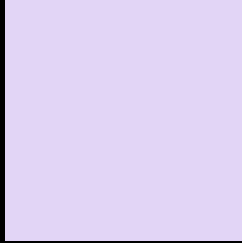
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.7928, 70.4111, 96.9956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

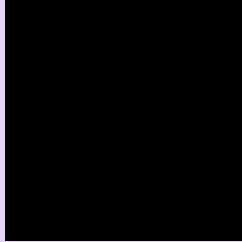
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.7928, 70.4111, 96.9956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.7928, 70.4111, 96.9956.



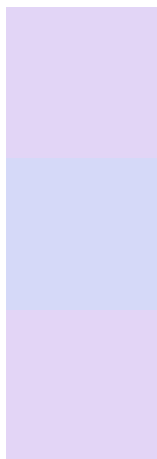
This preview shows how white text looks on a background with the XYZ color 71.7928, 70.4111,



# 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

71.7928, 70.4111, 96.9956

### Protanopia

69.1967, 70.5492, 98.7772

### Deuteranopia

72.1074, 70.5732, 97.0103



## Tritanopia

69.6064, 70.2744, 86.2396

# Trichromacy



## Original Color

71.7928, 70.4111, 96.9956

## Protanomaly

70.2578, 70.7326, 97.9455

## Deuteranomaly

72.1074, 70.5732, 97.0103

## Tritanomaly

70.3840, 70.2151, 89.9640

# Monochromacy



## Original Color

71.7928, 70.4111, 96.9956

## 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 71.7928, 70.4111, 96.9956 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(226, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 213, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 71.7928, 70.4111, 96.9956 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(226, 213, 246) }
```



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

```
.border{ border-color:rgb(226, 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(226, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(226, 213,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.7928, 70.4111, 96.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 213, 246) }
```

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

```
.background{ background-color: rgb(226,  
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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