

# Converting Colors

XYZ(70.5099, 72.6373, 93.3041)

Have a look what the booklet for  
XYZ(70.5099, 72.6373, 93.3041)  
contains.

<b>XYZ(70.3838, 72.4427, 93.4923)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(70.3838, 72.4427,  
93.4923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADCF1
RGB	218, 220, 241
RGB Percent	85%, 86%, 95%
CMY	0.1451, 0.1372, 0.0549
CMYK	0.10, 0.09, 0.00, 0.05
HSL	235°, 45%, 90%
HSV	235°, 10%, 95%
XYZ	70.3838, 72.4427, 93.4923
YIQ	221.7960, -7.9330, 6.1070

# Conversions

## Conversions Part 2

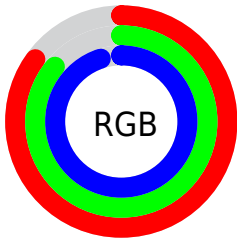
Format	Color
R <sub>YB</sub>	218, 220, 241
Decimal	14343409
CIE Lab	88.18, 3.30, -10.47
CIE LCh	88, 10.979, 287.492
Yxy	72.4427, 0.2978, 0.3065
Android (android.graphics.Color)	4292533489 (0xFFDADCF1)
YUV	221.7960, 9.4676, -3.3291
Hunter-Lab	85.1133, -1.3390, -5.5475

# Details

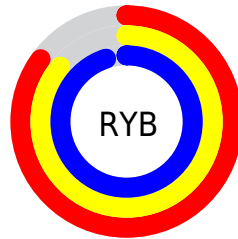
The XYZ color **70.3838, 72.4427, 93.4923** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7972, 85.4951, 78.6274**, and the grayscale version is **69.2284, 72.8336, 79.3158**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3163, 38.1996, 51.3054** is the 20% darker color. If you saturate the color by 10%, you get **58.2953, 58.1973, 91.3809**, and if you desaturate by 10%, it is **84.2844, 88.7542, 95.9092**.

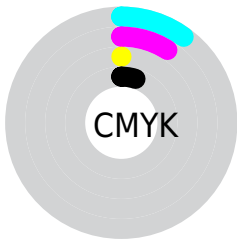
# Distribution



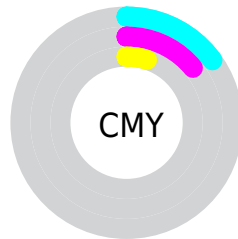
- Red (85%)
- Green (86%)
- Blue (95%)



- Red (85%)
- Yellow (86%)
- Blue (95%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (14%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3838, 72.4427, 93.4923 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 70.3838, 72.4427, 93.4923 by changing the saturation by 10% instead.



■ 70.3838, 72.4427,  
93.4923

■ 70.3838, 72.4427,  
93.4923

451.1419,  
469.0810, 560.1875

■ 52.1202, 53.5204,  
70.2908

118.7792,  
122.6857, 154.1576

■ 37.3256, 38.2184,  
51.2854

149.6417,  
154.7752, 192.4585

■ 25.6345, 26.1522,  
36.0575

185.4346,  
192.0226, 236.6296

■ 16.6816, 16.9375,  
24.1885

226.5232,  
234.8122, 287.0895

■ 10.1017, 10.1900,  
15.2601

273.2729,  
283.5285, 344.2567

■ 5.5292, 5.5251,  
8.8535

326.0490,

■ 2.5989, 2.5585,

338.5557, 408.5497

4.5502

385.2169,  
400.2785, 480.3871

■ 0.9454, 0.9059,  
1.9318

■ 0.0000, 0.0000,  
0.5128

■ 70.3838, 72.4427,  
93.4923

■ 70.3838, 72.4427,  
93.4923

■ 58.2953, 58.1973,  
91.3809

■ 84.2844, 88.7542,  
95.9092

■ 47.9380, 45.9267,  
89.5584

■ 92.8774, 99.1310,  
97.4592

■ 39.2344, 35.5464,  
88.0135

■ 32.0985, 26.9622,  
86.7327

■ 26.4366, 20.0717,  
85.7011

■ 22.1451, 14.7623,  
84.9025

■ 19.1066, 10.9076,  
84.3186

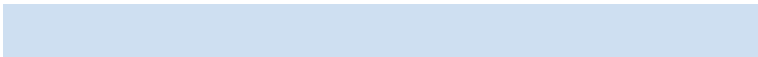
■ 17.1838, 8.3613,  
83.9284

■ 16.1780, 6.9317,  
83.7055

# Harmonies

## Analogous

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



67.7667, 72.4427, 93.8574



70.3838, 72.4427, 93.4923



72.6451, 72.4427, 89.0598

# Triad

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



70.3838, 72.4427, 93.4923



72.3237, 72.4427, 68.6886



64.0410, 72.4427, 75.7867

# Complementary

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



70.3838, 72.4427, 93.4923



79.7972, 85.4951, 78.6274

# 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.



65.1983, 72.4427, 69.5030



70.3838, 72.4427, 93.4923



69.9541, 72.4427, 65.5833

# Square

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



70.3838, 72.4427, 93.4923



73.7845, 72.4427, 74.6097



67.3477, 72.4427, 65.8716



64.1493, 72.4427, 83.3056



# Rectangle

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



70.3838, 72.4427, 93.4923



73.6264, 72.4427, 84.5451



67.3477, 72.4427, 65.8716



64.2936, 72.4427, 73.4696

# Sweetspot

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



70.3859, 72.4457, 93.4939



90.1037, 94.2027, 108.0417



75.9056, 84.0315, 93.6494



19.0099, 19.8395, 23.0774



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.



70.3859, 72.4457, 93.4939



77.8410, 79.7992, 105.9079



72.6915, 72.8585, 93.4520



15.0079, 15.4500, 19.9127



8.7950, 3.8143, 45.4005



0.7693, 0.3926, 3.7894

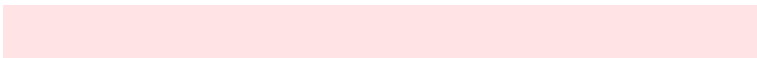


# Inverse Universe

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



74.2670, 74.0124, 78.0852



82.8932, 81.8499, 85.8465



77.3252, 85.0961, 78.6807



15.8287, 15.7812, 16.6541



19.7649, 10.1784, 1.4128

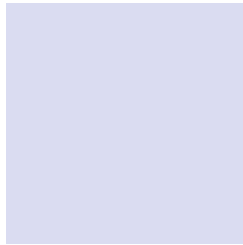


1.6633, 0.8543, 0.2176



# Previews

## White Background



This preview shows how the XYZ color 70.3838, 72.4427, 93.4923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

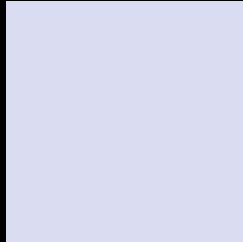
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3838, 72.4427, 93.4923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

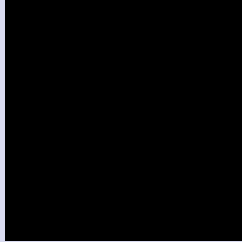
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.3838, 72.4427, 93.4923**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3838, 72.4427, 93.4923.



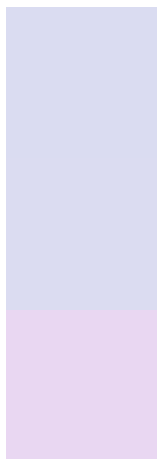
This preview shows how white text looks on a background with the XYZ color 70.3838, 72.4427,



# 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

70.3838, 72.4427, 93.4923

### Protanopia

70.6838, 72.5973, 93.5063

### Deuteranopia

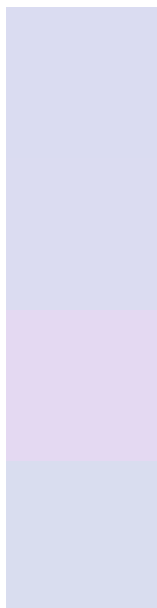
73.9317, 72.3353, 94.0699



## Tritanopia

69.9043, 72.6377, 91.2250

# Trichromacy



## Original Color

70.3838, 72.4427, 93.4923

## Protanomaly

70.6838, 72.5973, 93.5063

## Deuteranomaly

72.8348, 72.5305, 94.1654

## Tritanomaly

70.0517, 72.6966, 92.0011

# Monochromacy



## Original Color

70.3838, 72.4427, 93.4923

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.8181, 72.7422, 84.4896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3838, 72.4427, 93.4923 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(218, 220, 241)` looks like.

```
.text, #text, p{  
    color:rgb(218, 220, 241)  
}
```

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(218, 220, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 220, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3838, 72.4427, 93.4923 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(218, 220, 241) }
```



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

```
.border{ border-color:rgb(218, 220, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 220, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 220, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 220, 241);  
box-shadow:4px 4px 4px 4px rgb(218, 220,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3838, 72.4427, 93.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 220, 241) }
```

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

```
.background{ background-color: rgb(218,  
220, 241) }
```

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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