

# Converting Colors

XYZ(70.7224, 74.0447, 82.0867)

Have a look what the booklet for  
XYZ(70.7224, 74.0447, 82.0867)  
contains.

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# Color

**XYZ(70.7188, 74.0589,  
81.8017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0DFE1
RGB	224, 223, 225
RGB Percent	88%, 87%, 88%
CMY	0.1216, 0.1255, 0.1176
CMYK	0.00, 0.01, 0.00, 0.12
HSL	270°, 3%, 88%
HSV	270°, 1%, 88%
XYZ	70.7188, 74.0589, 81.8017
YIQ	223.5270, -0.0460, 0.8340

# Conversions

## Conversions Part 2

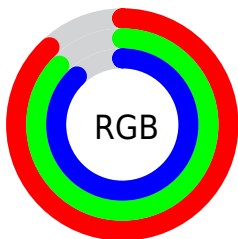
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 223, 225
Decimal	14737377
CIELab	88.95, 0.70, -0.87
CIELCh	89, 1.115, 308.994
Yxy	74.0589, 0.3121, 0.3269
Android (android.graphics.Color)	4292927457 (0xFFE0DFE1)
YUV	223.5270, 0.7262, 0.4148
Hunter-Lab	86.0575, -3.9160, 3.8823

# Details

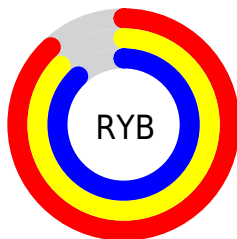
The XYZ color **70.7188, 74.0589, 81.8017** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9877, 75.0274, 80.5561**, and the grayscale version is **70.5110, 74.1830, 80.7853**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6205, 39.3426, 43.6413** is the 20% darker color. If you saturate the color by 10%, you get **61.7250, 61.0853, 79.7727**, and if you desaturate by 10%, it is **80.7471, 88.7559, 84.1111**.

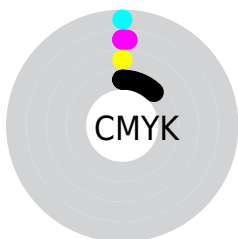
# Distribution



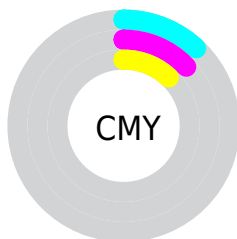
- Red (88%)
- Green (87%)
- Blue (88%)



- Red (88%)
- Yellow (87%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7188, 74.0589, 81.8017 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 70.7188, 74.0589, 81.8017 by changing the saturation by 10% instead.



■ 70.7188, 74.0589,  
81.8017

■ 70.7188, 74.0589,  
81.8017

452.2970,  
474.6766, 520.8502

■ 52.3945, 54.8422,  
60.6672

119.2539,  
124.9793, 137.7301

■ 37.5451, 39.2754,  
43.5279

150.1954,  
157.4518, 173.3610

■ 25.8054, 26.9741,  
29.9650

186.0734,  
195.1118, 214.6613

■ 16.8101, 17.5537,  
19.5602

227.2531,  
238.3436, 262.0493

■ 10.1936, 10.6301,  
11.8949

274.1000,  
287.5315, 315.9437

■ 5.5908, 5.8187,  
6.5505

326.9793,

■ 2.6362, 2.7351,

343.0601, 376.7629

3.1084

386.2565,  
405.3137, 444.9256

■ 0.9644, 0.9951,  
1.1503

■ 0.0000, 0.0000,  
0.0000

■ 70.7188, 74.0589,  
81.8017

■ 70.7188, 74.0589,  
81.8017

■ 61.7250, 61.0853,  
79.7727

■ 80.7471, 88.7559,  
84.1111

■ 53.7238, 49.7607,  
78.0085

■ 87.5472, 96.6473,  
85.2759

■ 46.6794, 40.0192,  
76.4995

■ 90.5908, 98.2163,  
85.4183

■ 40.5512, 31.7870,  
75.2335

■ 35.2956, 24.9839,  
74.1974

■ 30.8650, 19.5225,  
73.3767

■ 27.2068, 15.3049,  
72.7555

■ 24.2610, 12.2196,  
72.3152

■ 21.9570, 10.1339,  
72.0341

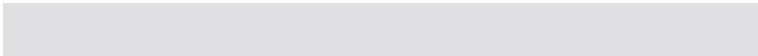
# Harmonies

## Analogous

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



70.4722, 74.0589, 82.1189



70.7188, 74.0589, 81.8017



70.8778, 74.0589, 81.1731

# Triad

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



70.7188, 74.0589, 81.8017



70.5775, 74.0589, 79.2539



69.8779, 74.0589, 80.8708

# Complementary

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



70.7188, 74.0589, 81.8017



70.9877, 75.0274, 80.5561

# 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.



69.9060, 74.0589, 80.1044



70.7188, 74.0589, 81.8017



70.3094, 74.0589, 79.1741

# Square

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



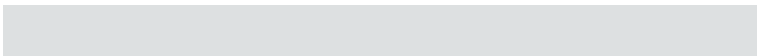
70.7188, 74.0589, 81.8017



70.7961, 74.0589, 79.7032



70.0637, 74.0589, 79.4845



69.9870, 74.0589, 81.5792



# Rectangle

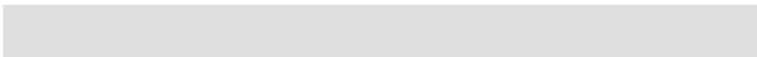
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7188, 74.0589, 81.8017



70.9125, 74.0589, 80.6637



70.0637, 74.0589, 79.4845



69.8716, 74.0589, 80.6114

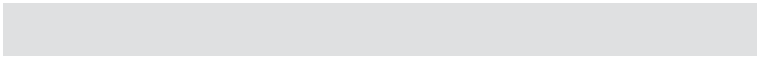
# Sweetspot

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



70.7209, 74.0621, 81.8033

95.0500, 100.0000, 108.9000



70.6894, 74.4562, 81.8810



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7209, 74.0621, 81.8033



93.7735, 98.1423, 108.6087



71.0214, 74.2170, 81.8174



15.2649, 15.9813, 17.6678



11.8388, 5.1985, 41.4278



0.9239, 0.4136, 2.8764



# Inverse Universe

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



70.8962, 74.1681, 81.1040



94.0376, 98.3021, 107.5550



70.6890, 74.8734, 80.5421



15.3051, 16.0056, 17.5071



19.6601, 9.9310, 10.1419

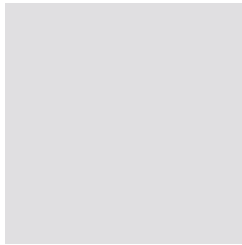


1.4079, 0.7064, 0.9410



# Previews

## White Background



This preview shows how the XYZ color 70.7188, 74.0589, 81.8017 looks on a white background.

## Color Contrast Check

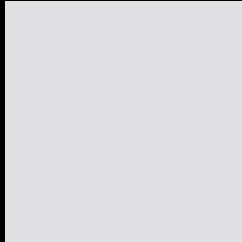
Large Text (above 18pt) WCAG AA × Fail

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 70.7188, 74.0589, 81.8017 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

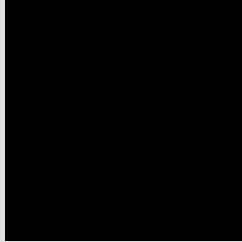
Any Text WCAG AAA ✓ Pass

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

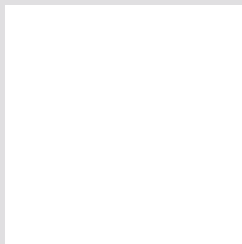


**XYZ 70.7188, 74.0589, 81.8017**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7188, 74.0589, 81.8017.



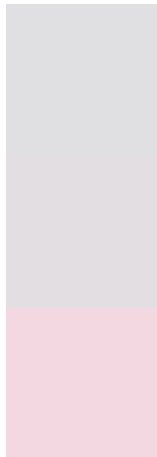
This preview shows how white text looks on a background with the XYZ color 70.7188, 74.0589,



# 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

70.7188, 74.0589, 81.8017

### Protanopia

71.3904, 74.0097, 81.7568

### Deuteranopia

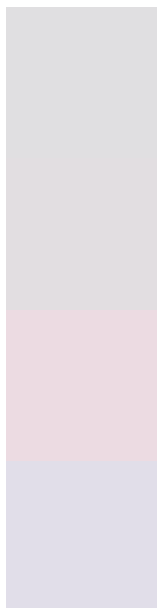
75.2455, 73.6574, 82.2029



## Tritanopia

72.6531, 74.0547, 91.3537

# Trichromacy



## Original Color

70.7188, 74.0589, 81.8017

## Protanomaly

71.0759, 73.8475, 81.7421

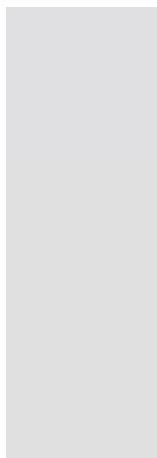
## Deuteranomaly

73.6511, 73.9869, 82.3506

## Tritanomaly

71.8806, 74.1333, 87.6114

# Monochromacy



## Original Color

70.7188, 74.0589, 81.8017

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.8507, 74.5404, 81.1745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7188, 74.0589, 81.8017 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(224, 223, 225) looks like.

```
.text, #text, p{  
    color:rgb(224, 223, 225)  
}
```

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(224, 223, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 223, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7188, 74.0589, 81.8017 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(224, 223, 225) }
```

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

```
.border{ border-color:rgb(224, 223, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 223, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 223, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 223, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 223,  
225) }
```



# Background

The CSS property to change the background color of an element to XYZ 70.7188, 74.0589, 81.8017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 223, 225) }
```

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

```
.background{ background-color: rgb(224,  
223, 225) }
```

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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