

# Converting Colors

XYZ(72.6883, 74.3344, 85.6944)

Have a look what the booklet for  
XYZ(72.6883, 74.3344, 85.6944)  
contains.

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# Color

**XYZ(72.4525, 74.0841,  
85.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DDE6
RGB	229, 221, 230
RGB Percent	90%, 87%, 90%
CMY	0.1020, 0.1333, 0.0980
CMYK	0.00, 0.04, 0.00, 0.10
HSL	293°, 15%, 88%
HSV	293°, 4%, 90%
XYZ	72.4525, 74.0841, 85.3439
YIQ	224.4180, 1.8790, 4.4950

# Conversions

## Conversions Part 2

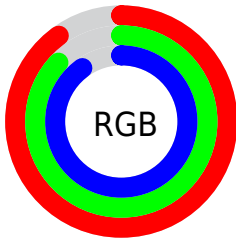
Format	Color
R <sub>Y</sub> B	229, 221, 230
Decimal	15064550
CIE Lab	88.96, 4.32, -3.43
CIE LCh	89, 5.521, 321.542
Yxy	74.0841, 0.3125, 0.3195
Android (android.graphics.Color)	4293254630 (0xFFE5DDE6)
YUV	224.4180, 2.7519, 4.0184
Hunter-Lab	86.0721, -0.3712, 1.4621

# Details

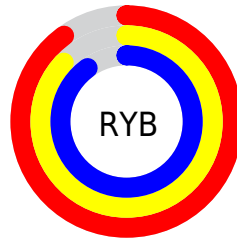
The XYZ color **72.4525, 74.0841, 85.3439** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4749, 77.3456, 79.5725**, and the grayscale version is **71.1323, 74.8368, 81.4972**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8296, 39.3663, 46.1093** is the 20% darker color. If you saturate the color by 10%, you get **65.9823, 62.3446, 83.4201**, and if you desaturate by 10%, it is **79.7709, 87.4999, 87.5488**.

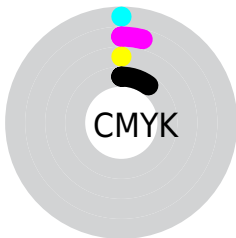
# Distribution



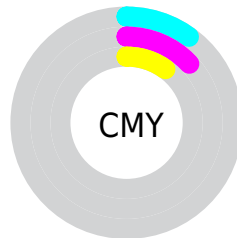
- Red (90%)
- Green (87%)
- Blue (90%)



- Red (90%)
- Yellow (87%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4525, 74.0841, 85.3439 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 72.4525, 74.0841, 85.3439 by changing the saturation by 10% instead.



72.4525, 74.0841,  
85.3439

72.4525, 74.0841,  
85.3439

458.2483,  
474.7636, 532.9396

53.8152, 54.8629,  
63.5738

121.7070,  
125.0150, 142.7320

38.6840, 39.2919,  
45.8616

153.0548,  
157.4935, 179.1870

26.6936, 26.9869,  
31.7887

189.3703,  
195.1599, 221.3742

17.4786, 17.5634,  
20.9367

231.0186,  
238.3985, 269.7119

10.6737, 10.6370,  
12.8869

278.3652,  
287.5938, 324.6187

5.9136, 5.8233,  
7.2209

331.7755,

2.8328, 2.7379,

343.1301, 386.5133

3.5201

391.6147,  
405.3919, 455.8140

■ 1.0659, 0.9965,  
1.3660

■ 0.0000, 0.0000,  
0.1149

■ 72.4525, 74.0841,  
85.3439

■ 72.4525, 74.0841,  
85.3439

■ 65.9823, 62.3446,  
83.4201

■ 79.7709, 87.4999,  
87.5488

■ 60.3201, 52.2047,  
81.7613

■ 84.0124, 94.7450,  
88.7237

■ 55.4323, 43.5957,  
80.3572

■ 84.8583, 95.1811,  
88.7633

■ 51.2801, 36.4404,  
79.1949

■ 85.7165, 95.6235,  
88.8035

47.8215, 30.6547,  
78.2605

86.5868, 96.0722,  
88.8442

45.0102, 26.1460,  
77.5384

87.4694, 96.5272,  
88.8855

42.7939, 22.8101,  
77.0113

88.3643, 96.9885,  
88.9274

41.1124, 20.5265,  
76.6592

89.2716, 97.4563,  
88.9698

39.8922, 19.1484,  
76.4575

90.1912, 97.9304,  
89.0129

# Harmonies

## Analogous

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



71.3654, 74.0841, 87.7281



72.4525, 74.0841, 85.3439



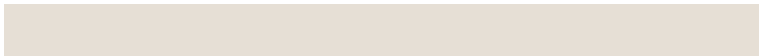
72.9952, 74.0841, 81.7557

# Triad

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



72.4525, 74.0841, 85.3439



70.7945, 74.0841, 73.5813



68.0443, 74.0841, 83.4060

# Complementary

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



72.4525, 74.0841, 85.3439



71.4749, 77.3456, 79.5725

# 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.



67.8958, 74.0841, 79.5840



72.4525, 74.0841, 85.3439



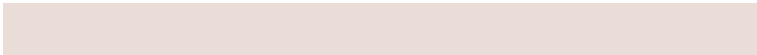
69.4725, 74.0841, 73.9915

# Square

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



72.4525, 74.0841, 85.3439



72.0300, 74.0841, 75.0213



68.4155, 74.0841, 76.1603



68.8237, 74.0841, 86.5848



# Rectangle

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



72.4525, 74.0841, 85.3439



72.9705, 74.0841, 79.1969



68.4155, 74.0841, 76.1603



67.9193, 74.0841, 82.1511

# Sweetspot

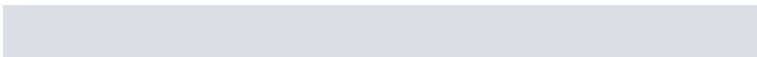
The Sweet Spot groups the original color and five complimentary colors.



72.4546, 74.0873, 85.3455



94.1377, 98.3301, 108.6258



70.2394, 73.3580, 85.3215



20.1590, 21.0643, 23.2533



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.



72.4546, 74.0873, 85.3455



90.5972, 91.8654, 107.5646



72.2950, 74.0604, 82.8347



15.3659, 15.5051, 18.3272



22.3170, 10.5707, 43.2473

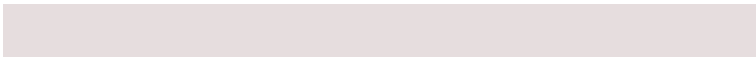


1.6944, 0.8045, 3.1979

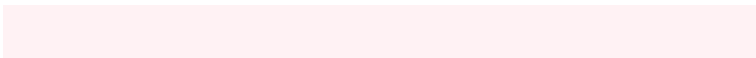


# Inverse Universe

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



71.6770, 73.8132, 79.5805



89.3452, 91.4246, 98.2609



71.6339, 77.3739, 82.0033



15.1262, 15.4208, 16.5431



18.5999, 9.5742, 1.5220

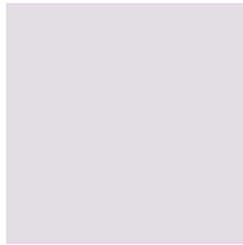


1.3963, 0.7162, 0.2274



# Previews

## White Background



This preview shows how the XYZ color 72.4525, 74.0841, 85.3439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

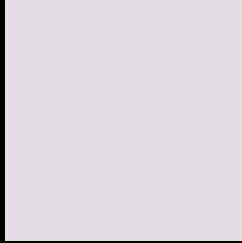
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4525, 74.0841, 85.3439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

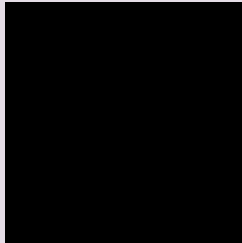
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

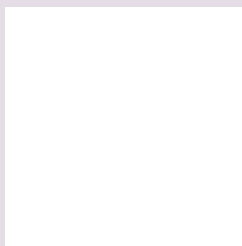
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.4525, 74.0841, 85.3439**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4525, 74.0841, 85.3439.



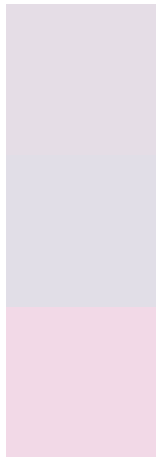
This preview shows how white text looks on a background with the XYZ color 72.4525, 74.0841,



# 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

72.4525, 74.0841, 85.3439

### Protanopia

71.5964, 74.0196, 86.1150

### Deuteranopia

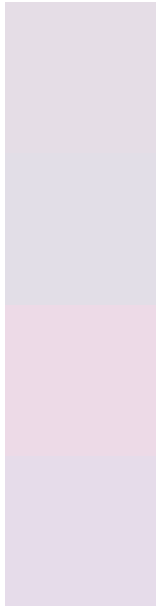
75.8546, 74.2725, 85.9394



## Tritanopia

73.5124, 74.1238, 90.5536

# Trichromacy



## Original Color

72.4525, 74.0841, 85.3439

## Protanomaly

71.9091, 74.1808, 86.1296

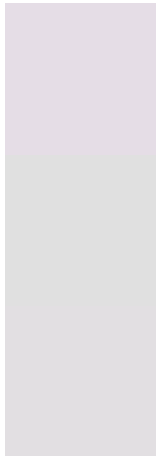
## Deuteranomaly

74.4203, 73.9169, 85.9463

## Tritanomaly

73.0776, 73.9499, 88.2641

# Monochromacy



## Original Color

72.4525, 74.0841, 85.3439

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.4792, 74.4351, 82.5516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4525, 74.0841, 85.3439 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, 221, 230) looks like.

```
.text, #text, p{  
    color:rgb(229, 221, 230)  
}
```

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, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 221, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4525, 74.0841, 85.3439 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, 221, 230) }
```



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

```
.border{ border-color:rgb(229, 221, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 221, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 221, 230);  
box-shadow:4px 4px 4px 4px rgb(229, 221,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4525, 74.0841, 85.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 221, 230) }
```

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

```
.background{ background-color: rgb(229,  
221, 230) }
```

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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