

# Converting Colors

XYZ(72.6965, 74.6304, 85.6604)

Have a look what the booklet for  
XYZ(72.6965, 74.6304, 85.6604)  
contains.

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# Color

**XYZ(72.7173, 74.6137,  
85.4322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DEE6
RGB	229, 222, 230
RGB Percent	90%, 87%, 90%
CMY	0.1020, 0.1294, 0.0980
CMYK	0.00, 0.03, 0.00, 0.10
HSL	292°, 14%, 89%
HSV	292°, 3%, 90%
XYZ	72.7173, 74.6137, 85.4322
YIQ	225.0050, 1.6040, 3.9720

# Conversions

## Conversions Part 2

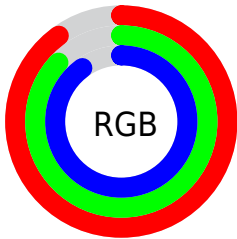
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 222, 230
Decimal	15064806
CIE Lab	89.21, 3.80, -3.07
CIE LCh	89, 4.886, 321.118
Yxy	74.6137, 0.3124, 0.3206
Android (android.graphics.Color)	4293254886 (0xFFE5DEE6)
YUV	225.0050, 2.4625, 3.5036
Hunter-Lab	86.3792, -0.8956, 1.8255

# Details

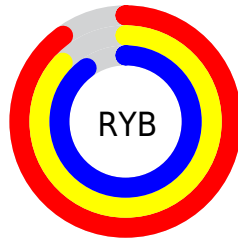
The XYZ color **72.7173, 74.6137, 85.4322** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.9158, 77.5575, 80.2907**, and the grayscale version is **71.5555, 75.2820, 81.9821**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0121, 39.7312, 46.1702** is the 20% darker color. If you saturate the color by 10%, you get **66.1111, 62.7515, 83.4919**, and if you desaturate by 10%, it is **80.1763, 88.1568, 87.6543**.

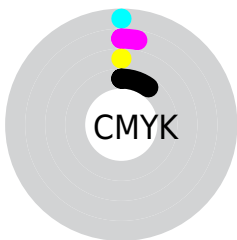
# Distribution



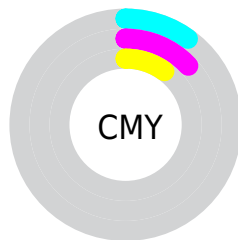
- Red (90%)
- Green (87%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7173, 74.6137, 85.4322 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 72.7173, 74.6137, 85.4322 by changing the saturation by 10% instead.



72.7173, 74.6137,  
85.4322

72.7173, 74.6137,  
85.4322

459.1534,  
476.5888, 533.2390

54.0324, 55.2965,  
63.6464

122.0811,  
125.7654, 142.8564

38.8583, 39.6391,  
45.9199

153.4907,  
158.3686, 179.3318

26.8298, 27.2573,  
31.8344

189.8726,  
196.1694, 221.5408

17.5813, 17.7666,  
20.9713

231.5920,  
239.5519, 269.9020

10.7477, 10.7825,  
12.9120

279.0145,  
288.9008, 324.8339

5.9635, 5.9208,  
7.2380

332.5053,

2.8633, 2.7970,

344.6003, 386.7549

3.5307

392.4298,  
407.0348, 456.0838

■ 1.0819, 1.0267,  
1.3716

■ 0.0099, 0.0000,  
0.1194

■ 72.7173, 74.6137,  
85.4322

■ 72.7173, 74.6137,  
85.4322

■ 66.1111, 62.7515,  
83.4919

■ 80.1763, 88.1568,  
87.6543

■ 60.3177, 52.4935,  
81.8172

■ 84.2229, 94.8536,  
88.7336

■ 55.3034, 43.7712,  
80.3979

■ 85.1790, 95.3465,  
88.7783

■ 51.0295, 36.5077,  
79.2212

■ 86.1505, 95.8473,  
88.8238

47.4543, 30.6193,  
78.2730

87.1376, 96.3561,  
88.8700

44.5315, 26.0136,  
77.5381

88.1401, 96.8730,  
88.9169

42.2092, 22.5872,  
76.9991

89.1583, 97.3979,  
88.9646

40.4277, 20.2204,  
76.6362

90.1922, 97.9309,  
89.0130

39.1141, 18.7677,  
76.4250

91.2419, 98.4720,  
89.0621

# Harmonies

## Analogous

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



71.7471, 74.6137, 87.5202



72.7173, 74.6137, 85.4322



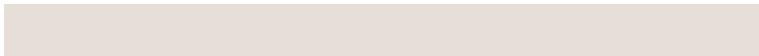
73.2068, 74.6137, 82.2594

# Triad

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



72.7173, 74.6137, 85.4322



71.2726, 74.6137, 74.9272



68.8014, 74.6137, 83.6297

# Complementary

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



72.7173, 74.6137, 85.4322



71.9158, 77.5575, 80.2907

# 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.



68.6775, 74.6137, 80.2323



72.7173, 74.6137, 85.4322



70.0955, 74.6137, 75.2708

# Square

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



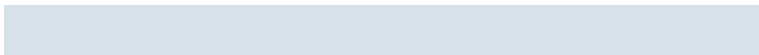
72.7173, 74.6137, 85.4322



72.3666, 74.6137, 76.2382



69.1488, 74.6137, 77.1904



69.4890, 74.6137, 86.4594



# Rectangle

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



72.7173, 74.6137, 85.4322



73.1910, 74.6137, 79.9824



69.1488, 74.6137, 77.1904



68.6927, 74.6137, 82.5140

# Sweetspot

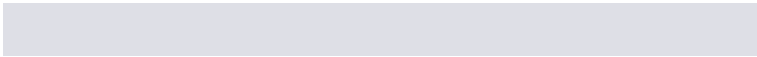
The Sweet Spot groups the original color and five complimentary colors.



72.7194, 74.6169, 85.4338



94.1247, 98.3234, 108.6251



70.8158, 74.0573, 85.4261



20.1563, 21.0629, 23.2531



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.



72.7194, 74.6169, 85.4338



91.4142, 93.4227, 107.8221



72.6310, 74.6185, 83.2982



15.4938, 15.7516, 18.3681



21.8310, 10.3202, 43.2245



1.6632, 0.7884, 3.1965



# Inverse Universe

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



72.0763, 74.3966, 80.3769



90.4781, 93.1023, 100.4514



72.0051, 77.5577, 82.3644



15.3072, 15.6878, 16.8962



18.6230, 9.5834, 1.6437

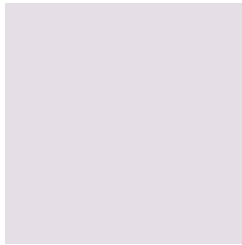


1.4002, 0.7178, 0.2479



# Previews

## White Background



This preview shows how the XYZ color 72.7173, 74.6137, 85.4322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

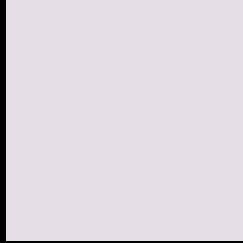
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7173, 74.6137, 85.4322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

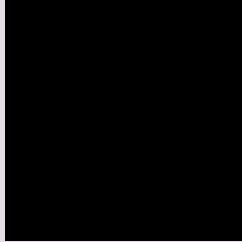
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

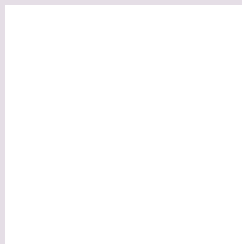
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7173, 74.6137, 85.4322**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7173, 74.6137, 85.4322.



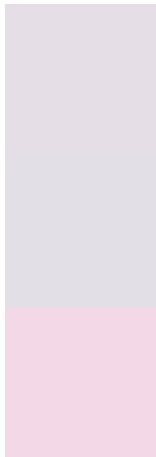
This preview shows how white text looks on a background with the XYZ color 72.7173, 74.6137,

85.4322.

# 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

72.7173, 74.6137, 85.4322

### Protanopia

72.1755, 74.7136, 86.2184

### Deuteranopia

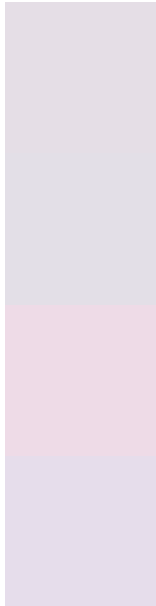
76.1988, 74.4499, 85.9555



## Tritanopia

73.9222, 74.7089, 91.4131

# Trichromacy



## Original Color

72.7173, 74.6137, 85.4322

## Protanomaly

72.4900, 74.8758, 86.2331

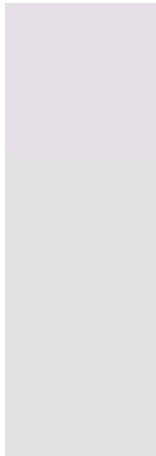
## Deuteranomaly

75.0152, 74.6097, 86.0487

## Tritanomaly

73.4850, 74.5341, 89.1107

# Monochromacy



## Original Color

72.7173, 74.6137, 85.4322

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.8848, 75.0261, 83.3658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7173, 74.6137, 85.4322 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, 222, 230) looks like.

```
.text, #text, p{  
    color:rgb(229, 222, 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, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 222, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7173, 74.6137, 85.4322 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, 222, 230) }
```



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

```
.border{ border-color:rgb(229, 222, 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, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(229, 222,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7173, 74.6137, 85.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 222, 230) }
```

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

```
.background{ background-color: rgb(229,  
222, 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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