

# Converting Colors

XYZ(69.4085, 72.2247, 82.5191)

Have a look what the booklet for  
XYZ(69.4085, 72.2247, 82.5191)  
contains.

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# Color

**XYZ(69.4449, 72.2070,  
82.2287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDCE2
RGB	222, 220, 226
RGB Percent	87%, 86%, 89%
CMY	0.1294, 0.1372, 0.1137
CMYK	0.02, 0.03, 0.00, 0.11
HSL	260°, 9%, 87%
HSV	260°, 3%, 89%
XYZ	69.4449, 72.2070, 82.2287
YIQ	221.2820, -0.7340, 2.2900

# Conversions

## Conversions Part 2

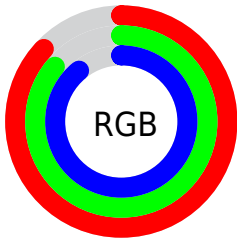
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 220, 226
Decimal	14605538
CIE Lab	88.07, 1.77, -2.70
CIE LCh	88, 3.230, 303.171
Yxy	72.2070, 0.3102, 0.3225
Android (android.graphics.Color)	4292795618 (0xFFDEDCE2)
YUV	221.2820, 2.3260, 0.6297
Hunter-Lab	84.9747, -2.8280, 2.1083

# Details

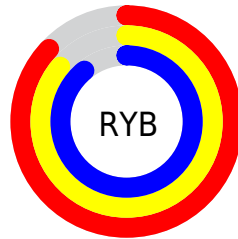
The XYZ color **69.4449, 72.2070, 82.2287** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8578, 75.4092, 78.5346**, and the grayscale version is **68.9117, 72.5004, 78.9530**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7422, 38.0660, 43.9390** is the 20% darker color. If you saturate the color by 10%, you get **59.4975, 58.8626, 80.1783**, and if you desaturate by 10%, it is **80.6112, 87.3742, 84.5688**.

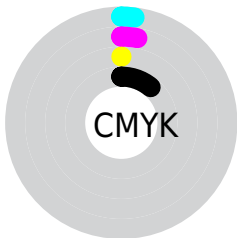
# Distribution



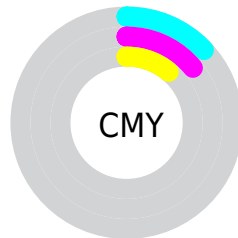
- Red (87%)
- Green (86%)
- Blue (89%)



- Red (87%)
- Yellow (86%)
- Blue (89%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4449, 72.2070, 82.2287 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 69.4449, 72.2070, 82.2287 by changing the saturation by 10% instead.



■ 69.4449, 72.2070,  
82.2287

■ 69.4449, 72.2070,  
82.2287

447.8954,  
468.2618, 522.3159

■ 51.3521, 53.3278,  
61.0172

117.4474,  
122.3508, 138.3342

■ 36.7111, 38.0645,  
43.8084

148.0878,  
154.3841, 174.0653

■ 25.1565, 26.0328,  
30.1838

183.6414,  
191.5710, 215.4733

■ 16.3231, 16.8481,  
19.7249

224.4736,  
234.2958, 262.9767

■ 9.8453, 10.1263,  
12.0131

270.9498,  
282.9429, 316.9942

■ 5.3580, 5.4828,  
6.6300

323.4352,

■ 2.4957, 2.5332,

337.8966, 377.9441

3.1569

382.2953,  
399.5415, 446.2452

■ 0.8931, 0.8932,  
1.1753

■ 0.0000, 0.0000,  
0.0000

■ 69.4449, 72.2070,  
82.2287

■ 69.4449, 72.2070,  
82.2287

■ 59.4975, 58.8626,  
80.1783

■ 80.6112, 87.3742,  
84.5688

■ 50.7201, 47.2621,  
78.4018

■ 89.6879, 97.7351,  
86.0903

■ 43.0694, 37.3348,  
76.8889

■ 90.7277, 98.2711,  
86.1389

■ 36.4971, 29.0013,  
75.6268

■ 30.9511, 22.1757,  
74.6016

■ 26.3747, 16.7638,  
73.7982

■ 22.7051, 12.6605,  
73.1996

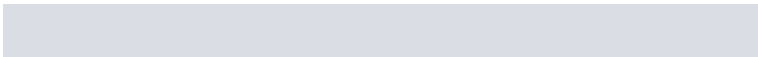
■ 19.8713, 9.7452,  
72.7863

■ 17.7894, 7.8735,  
72.5347

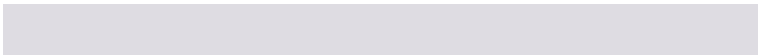
# Harmonies

## Analogous

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



68.7126, 72.2070, 82.9369



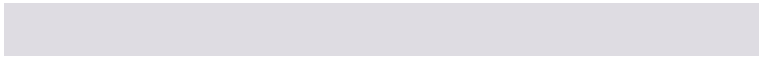
69.4449, 72.2070, 82.2287



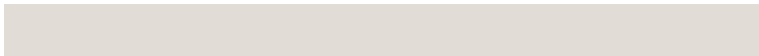
69.9620, 72.2070, 80.5529

# Triad

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



69.4449, 72.2070, 82.2287



69.3018, 72.2070, 74.8931



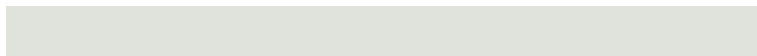
67.1610, 72.2070, 78.8563

# Complementary

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



69.4449, 72.2070, 82.2287



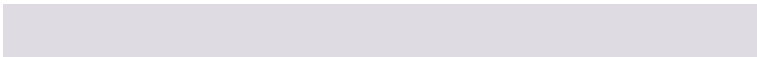
70.8578, 75.4092, 78.5346

# 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.



67.3162, 72.2070, 76.7205



69.4449, 72.2070, 82.2287



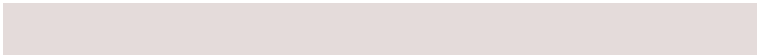
68.5486, 72.2070, 74.4578

# Square

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



69.4449, 72.2070, 82.2287



69.8789, 72.2070, 76.3210



67.8227, 72.2070, 75.1207



67.3972, 72.2070, 80.9671

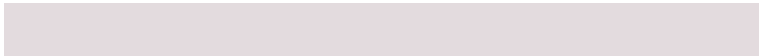


# Rectangle

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



69.4449, 72.2070, 82.2287



70.1131, 72.2070, 79.1270



67.8227, 72.2070, 75.1207



67.1692, 72.2070, 78.1174

# Sweetspot

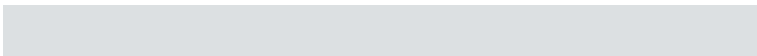
The Sweet Spot groups the original color and five complimentary colors.



69.4470, 72.2101, 82.2303



93.6189, 98.0626, 108.6015



69.9277, 74.0741, 82.5647



20.0534, 21.0099, 23.2483



0.0000, 0.0000, 0.0000

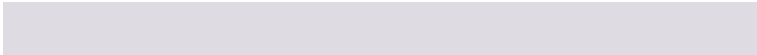


20.3446, 21.4041, 23.3091

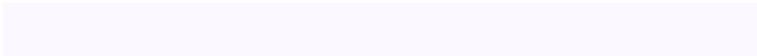


# Same Dimension

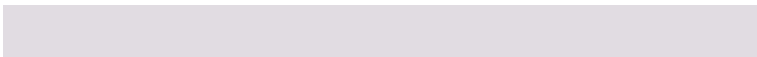
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4470, 72.2101, 82.2303



90.8053, 94.2608, 108.0159



70.3431, 72.6721, 82.2722



14.6001, 15.1031, 17.5334



9.6104, 4.0497, 41.3235



0.7588, 0.3285, 2.8686



# Inverse Universe

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



70.4143, 72.7403, 80.8537



92.2505, 95.0528, 105.9572



69.9664, 74.9497, 78.4929



14.8929, 15.2636, 17.1153



21.1258, 10.5173, 17.8601

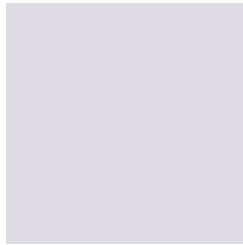


1.5053, 0.7454, 1.4539



# Previews

## White Background



This preview shows how the XYZ color 69.4449, 72.2070, 82.2287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

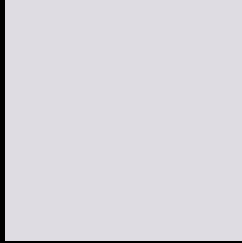
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4449, 72.2070, 82.2287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

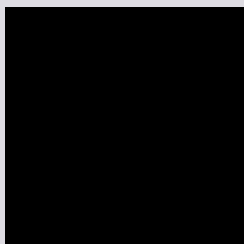
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

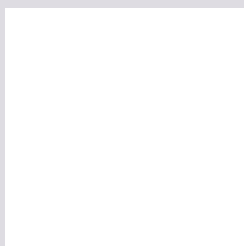
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.4449, 72.2070, 82.2287**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4449, 72.2070, 82.2287.



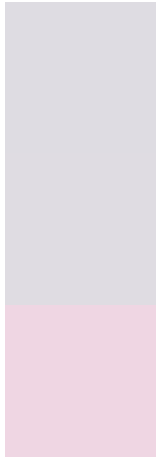
This preview shows how white text looks on a background with the XYZ color 69.4449, 72.2070,



# 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

69.4449, 72.2070, 82.2287

### Protanopia

69.7521, 72.3654, 82.2431

### Deuteranopia

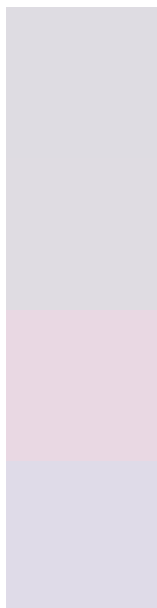
73.5083, 71.9899, 82.6942



## Tritanopia

70.9522, 72.0462, 89.5236

# Trichromacy



## Original Color

69.4449, 72.2070, 82.2287

## Protanomaly

69.7521, 72.3654, 82.2431

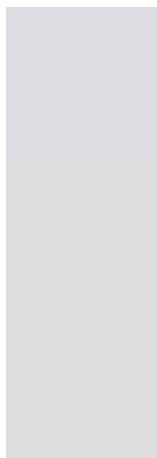
## Deuteranomaly

72.0253, 71.9814, 82.7707

## Tritanomaly

70.3284, 72.1772, 86.5688

# Monochromacy



## Original Color

69.4449, 72.2070, 82.2287

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.9945, 72.4128, 80.1527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4449, 72.2070, 82.2287 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(222, 220, 226) looks like.

```
.text, #text, p{  
    color:rgb(222, 220, 226)  
}
```

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(222, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 220, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4449, 72.2070, 82.2287 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(222, 220, 226) }
```



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

```
.border{ border-color:rgb(222, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(222, 220,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4449, 72.2070, 82.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 220, 226) }
```

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

```
.background{ background-color: rgb(222,  
220, 226) }
```

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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