

# Converting Colors

XYZ(69.6019, 72.0653, 84.4826)

Have a look what the booklet for  
XYZ(69.6019, 72.0653, 84.4826)  
contains.

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# Color

**XYZ(69.5549, 72.2157,  
84.4018)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDDCE5
RGB	221, 220, 229
RGB Percent	87%, 86%, 90%
CMY	0.1333, 0.1372, 0.1020
CMYK	0.03, 0.04, 0.00, 0.10
HSL	247°, 15%, 88%
HSV	247°, 4%, 90%
XYZ	69.5549, 72.2157, 84.4018
YIQ	221.3250, -2.2930, 3.0110

# Conversions

## Conversions Part 2

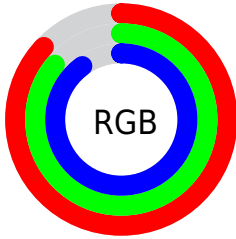
Format	Color
R <sub>Y</sub> B	221, 220, 229
Decimal	14540005
CIE Lab	88.07, 1.99, -4.29
CIE LCh	88, 4.725, 294.866
Yxy	72.2157, 0.3075, 0.3193
Android (android.graphics.Color)	4292730085 (0xFFDDDC E5)
YUV	221.3250, 3.7838, -0.2850
Hunter-Lab	84.9798, -2.6147, 0.5992

# Details

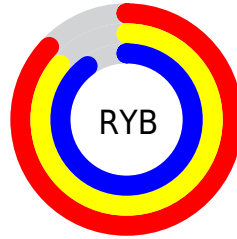
The XYZ color **69.5549, 72.2157, 84.4018** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.9351, 77.7018, 78.8676**, and the grayscale version is **68.9327, 72.5226, 78.9771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8210, 38.0733, 45.4526** is the 20% darker color. If you saturate the color by 10%, you get **58.1236, 58.0050, 82.2624**, and if you desaturate by 10%, it is **82.5656, 88.4668, 86.8539**.

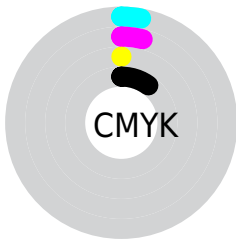
# Distribution



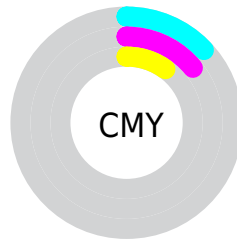
- Red (87%)
- Green (86%)
- Blue (90%)



- Red (87%)
- Yellow (86%)
- Blue (90%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (14%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5549, 72.2157, 84.4018 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 69.5549, 72.2157, 84.4018 by changing the saturation by 10% instead.



■ 69.5549, 72.2157,  
84.4018

■ 69.5549, 72.2157,  
84.4018

448.2765,  
468.2920, 529.7394

■ 51.4420, 53.3349,  
62.7999

117.6035,  
122.3631, 141.4038

■ 36.7830, 38.0702,  
45.2394

148.2700,  
154.3986, 177.6411

■ 25.2124, 26.0372,  
31.3017

183.8517,  
191.5877, 219.5938

■ 16.3650, 16.8514,  
20.5683

224.7140,  
234.3149, 267.6806

■ 9.8753, 10.1286,  
12.6207

271.2223,  
282.9645, 322.3201

■ 5.3780, 5.4843,  
7.0402

323.7419,

■ 2.5077, 2.5341,

337.9209, 383.9307

3.4084

382.6382,  
399.5687, 452.9309

■ 0.8991, 0.8937,  
1.3068

■ 0.0000, 0.0000,  
0.0673

■ 69.5549, 72.2157,  
84.4018

■ 69.5549, 72.2157,  
84.4018

■ 58.1236, 58.0050,  
82.2624

■ 82.5656, 88.4668,  
86.8539

■ 48.2054, 45.7450,  
80.4188

■ 91.1431, 98.4372,  
88.3263

■ 39.7386, 35.3533,  
78.8592

■ 32.6546, 26.7377,  
77.5696

■ 26.8796, 19.7986,  
76.5346

■ 22.3325, 14.4261,  
75.7373

■ 18.9232, 10.4973,  
75.1586

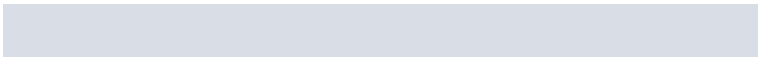
■ 16.5492, 7.8707,  
74.7768

■ 15.0884, 6.3758,  
74.5652

# Harmonies

## Analogous

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



68.4450, 72.2157, 84.9807



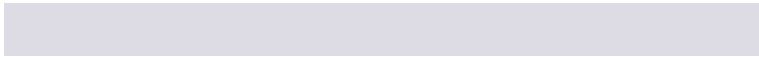
69.5549, 72.2157, 84.4018



70.4279, 72.2157, 82.2596

# Triad

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



69.5549, 72.2157, 84.4018



69.8946, 72.2157, 73.6595



66.5013, 72.2157, 78.0762

# Complementary

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



69.5549, 72.2157, 84.4018



72.9351, 77.7018, 78.8676

# Split Complementary

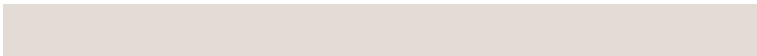
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8804, 72.2157, 75.1100



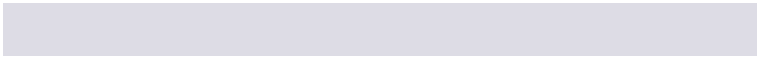
69.5549, 72.2157, 84.4018



68.8331, 72.2157, 72.6050

# Square

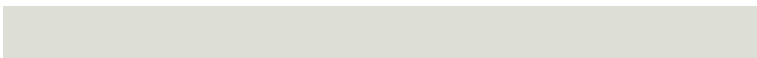
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5549, 72.2157, 84.4018



70.6255, 72.2157, 76.0475



67.7309, 72.2157, 73.1287



66.6899, 72.2157, 81.2715



# Rectangle

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



69.5549, 72.2157, 84.4018



70.7538, 72.2157, 80.2634



67.7309, 72.2157, 73.1287



66.5665, 72.2157, 77.0202

# Sweetspot

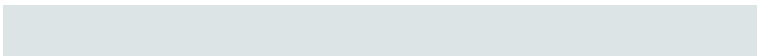
The Sweet Spot groups the original color and five complimentary colors.



69.5570, 72.2188, 84.4034



93.4126, 97.9563, 108.5918



71.4312, 76.4165, 85.1148



20.0114, 20.9882, 23.2464



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.



69.5570, 72.2188, 84.4034



87.0678, 90.0460, 107.3994



70.9147, 72.9187, 84.4669



14.6895, 15.1564, 18.2956



8.3701, 3.3809, 42.5946



0.6683, 0.2755, 3.1499



# Inverse Universe

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



71.9124, 73.4491, 83.7891



90.8900, 92.0425, 106.3955



71.5564, 76.9911, 78.8031



15.4223, 15.5392, 18.1023



24.7091, 12.0179, 33.6927

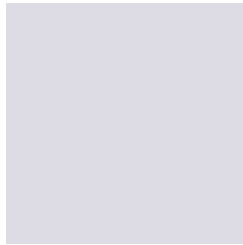


1.8457, 0.8960, 2.5937



# Previews

## White Background



This preview shows how the XYZ color 69.5549, 72.2157, 84.4018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

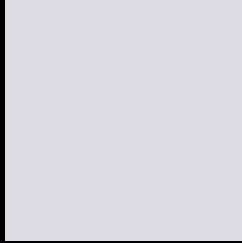
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.5549, 72.2157, 84.4018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

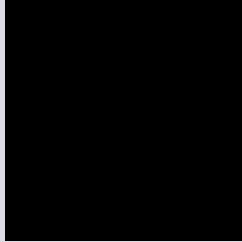
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

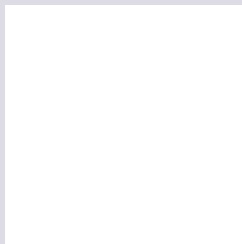
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.5549, 72.2157, 84.4018

## Background



This preview shows how black text looks on a background with the XYZ color 69.5549, 72.2157, 84.4018.



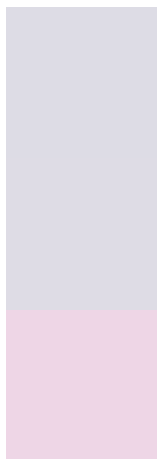
This preview shows how white text looks on a background with the XYZ color 69.5549, 72.2157,



# 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

69.5549, 72.2157, 84.4018

### Protanopia

69.8603, 72.3731, 84.4161

### Deuteranopia

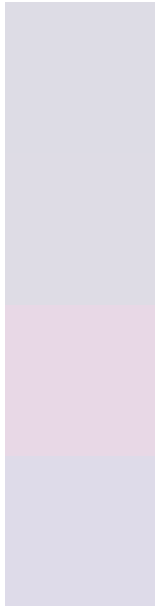
73.5894, 71.9834, 84.8785



## Tritanopia

70.5960, 72.2488, 89.5815

# Trichromacy



## Original Color

69.5549, 72.2157, 84.4018

## Protanomaly

69.8603, 72.3731, 84.4161

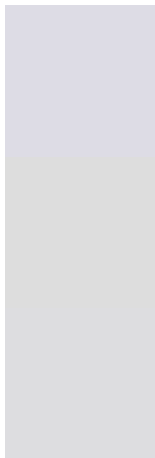
## Deuteranomaly

72.1175, 71.9807, 84.9556

## Tritanomaly

70.1637, 72.0758, 87.3048

# Monochromacy



## Original Color

69.5549, 72.2157, 84.4018

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.1298, 72.4669, 80.8650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5549, 72.2157, 84.4018 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(221, 220, 229) looks like.

```
.text, #text, p{  
    color:rgb(221, 220, 229)  
}
```

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(221, 220, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 220, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5549, 72.2157, 84.4018 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(221, 220, 229) }
```



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

```
.border{ border-color:rgb(221, 220, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 220, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 220, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 220, 229);  
box-shadow:4px 4px 4px 4px rgb(221, 220,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5549, 72.2157, 84.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 220, 229) }
```

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

```
.background{ background-color: rgb(221,  
220, 229) }
```

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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