

# Converting Colors

XYZ(69.5784, 72.5939,  
101.1758)

Have a look what the booklet for  
XYZ(69.5784, 72.5939, 101.1758)  
contains.

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# **Color**

**XYZ(69.6711, 72.7000,  
100.8029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1DEFA
RGB	209, 222, 250
RGB Percent	82%, 87%, 98%
CMY	0.1804, 0.1294, 0.0196
CMYK	0.16, 0.11, 0.00, 0.02
HSL	221°, 80%, 90%
HSV	221°, 16%, 98%
XYZ	69.6711, 72.7000, 100.8029
YIQ	221.3050, -16.7360, 5.9520

# Conversions

## Conversions Part 2

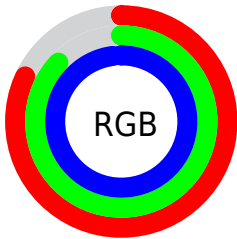
Format	Color
R <sub>Y</sub> B	209, 219, 250
Decimal	13754106
CIE Lab	88.30, 1.24, -15.09
CIE LCh	88, 15.140, 274.686
Yxy	72.7000, 0.2865, 0.2990
Android (android.graphics.Color)	4291944186 (0xFFD1DEFA)
YUV	221.3050, 14.1466, -10.7915
Hunter-Lab	85.2643, -3.3567, -10.4100

# Details

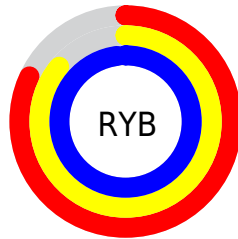
The XYZ color **69.6711, 72.7000, 100.8029** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.2177, 85.4957, 72.5449**, and the grayscale version is **68.8554, 72.4413, 78.8885**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8827, 38.4025, 56.5074** is the 20% darker color. If you saturate the color by 10%, you get **58.8386, 60.7235, 99.0633**, and if you desaturate by 10%, it is **82.0770, 86.1729, 102.7507**.

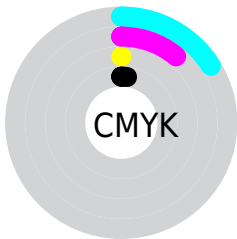
# Distribution



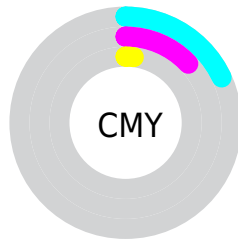
- Red (82%)
- Green (87%)
- Blue (98%)



- Red (82%)
- Yellow (86%)
- Blue (98%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (13%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6711, 72.7000, 100.8029 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 69.6711, 72.7000, 100.8029 by changing the saturation by 10% instead.



■ 69.6711, 72.7000,  
100.8029

■ 69.6711, 72.7000,  
100.8029

448.6788,  
469.9744, 584.0324

■ 51.5371, 53.7307,  
76.3506

117.7684,  
123.0512, 164.3216

■ 36.8590, 38.3864,  
56.2117

148.4624,  
155.2019, 204.2251

■ 25.2715, 26.2827,  
39.9675

184.0738,  
192.5152, 250.1161

■ 16.4093, 17.0353,  
27.1996

224.9679,  
235.3755, 302.4131

■ 9.9069, 10.2596,  
17.4895

271.5101,  
284.1672, 361.5348

■ 5.3991, 5.5714,  
10.4184

324.0658,

■ 2.5204, 2.5863,

339.2746, 427.8995

5.5680

383.0002,  
401.0822, 501.9259

■ 0.9056, 0.9198,  
2.5198

■ 0.0000, 0.0000,  
0.8506

■ 69.6711, 72.7000,  
100.8029

■ 69.6711, 72.7000,  
100.8029

■ 58.8386, 60.7235,  
99.0633

■ 82.0770, 86.1729,  
102.7507

■ 49.5077, 50.1807,  
97.5201

■ 94.2555, 99.6822,  
104.7164

■ 41.6106, 41.0172,  
96.1676

■ 35.0716, 33.1719,  
94.9980

■ 29.8074, 26.5781,  
94.0027

■ 25.7247, 21.1630,  
93.1727

■ 22.7163, 16.8443,  
92.4976

■ 20.6508, 13.5255,  
91.9659

■ 20.0721, 12.5354,  
91.8053

# Harmonies

## Analogous

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



66.1571, 72.7000, 98.6417



69.6711, 72.7000, 100.8029



73.1486, 72.7000, 96.7622

# Triad

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



69.6711, 72.7000, 100.8029



74.9999, 72.7000, 68.3166



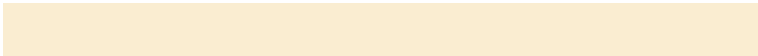
62.9786, 72.7000, 70.9135

# Complementary

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



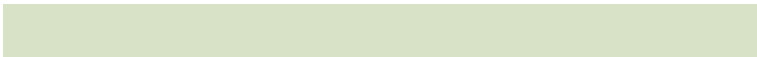
69.6711, 72.7000, 100.8029



81.2177, 85.4957, 72.5449

# 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.



65.2020, 72.7000, 63.8299



69.6711, 72.7000, 100.8029



72.1272, 72.7000, 62.4252

# Square

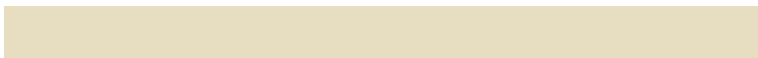
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6711, 72.7000, 100.8029



76.2930, 72.7000, 77.5357



68.5304, 72.7000, 60.8570



62.3724, 72.7000, 80.8027



# Rectangle

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



69.6711, 72.7000, 100.8029



74.9536, 72.7000, 91.2865



68.5304, 72.7000, 60.8570



63.5578, 72.7000, 68.1542

# Sweetspot

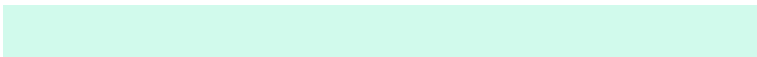
The Sweet Spot groups the original color and five complimentary colors.



69.6733, 72.7030, 100.8045



87.7989, 92.2318, 107.7827



75.6703, 88.0034, 92.6105



18.5819, 19.5147, 23.0373



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.



69.6733, 72.7030, 100.8045



68.5907, 71.3352, 104.7617



68.3270, 67.0783, 99.7898



16.7323, 17.5413, 21.8892



10.7605, 6.8765, 48.7337



1.0876, 0.8188, 4.5439



# Inverse Universe

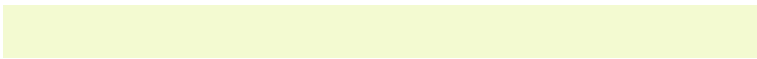
The Inverse Universe completely reimagines the original color for something new.



75.4114, 71.2006, 78.8791



75.7742, 69.6223, 77.2758



82.7152, 92.0603, 73.7331



17.4714, 17.3159, 19.0721



21.7234, 11.1051, 5.2519

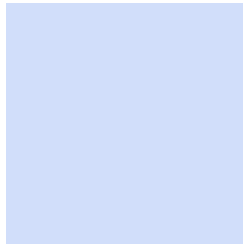


2.0579, 1.0469, 0.7282



# Previews

## White Background



This preview shows how the XYZ color 69.6711, 72.7000, 100.8029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

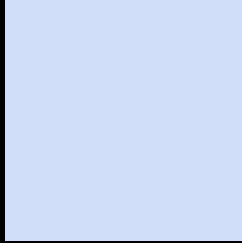
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6711, 72.7000, 100.8029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

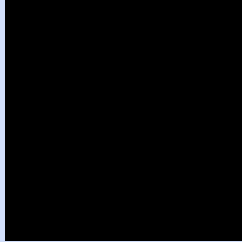
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.6711, 72.7000, 100.8029

## Background



This preview shows how black text looks on a background with the XYZ color 69.6711, 72.7000, 100.8029.



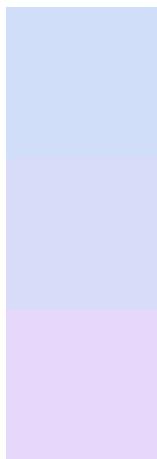
This preview shows how white text looks on a background with the XYZ color 69.6711, 72.7000,



# 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

69.6711, 72.7000, 100.8029

### Protanopia

71.3074, 72.7777, 99.9117

### Deuteranopia

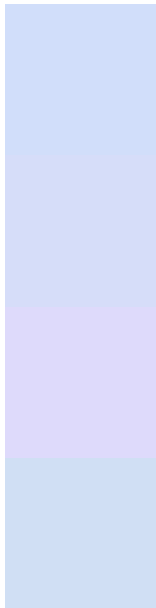
74.2816, 72.7348, 101.3909



## Tritanopia

67.9970, 72.3916, 93.6082

# Trichromacy



## Original Color

69.6711, 72.7000, 100.8029

## Protanomaly

70.6869, 72.8486, 99.9581

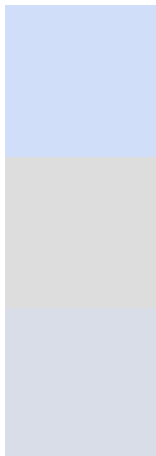
## Deuteranomaly

72.6082, 72.6374, 101.4604

## Tritanomaly

68.7292, 72.7169, 96.0013

# Monochromacy



## Original Color

69.6711, 72.7000, 100.8029

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.0372, 72.2908, 86.6588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6711, 72.7000, 100.8029 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(209, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 222, 250)  
}
```

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(209, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 222, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6711, 72.7000, 100.8029 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(209, 222, 250) }
```



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

```
.border{ border-color:rgb(209, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 222,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6711, 72.7000, 100.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 222, 250) }
```

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

```
.background{ background-color: rgb(209,  
222, 250) }
```

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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