

Converting Colors

XYZ(69.5845, 71.1789,
100.7108)

Have a look what the booklet for
XYZ(69.5845, 71.1789, 100.7108)
contains.

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Color

**XYZ(69.4781, 71.0420,
100.4931)**

Conversions

Conversions Part 1

Format	Color
Hex	D4DAFA
RGB	212, 218, 250
RGB Percent	83%, 85%, 98%
CMY	0.1686, 0.1451, 0.0196
CMYK	0.15, 0.13, 0.00, 0.02
HSL	231°, 79%, 91%
HSV	231°, 15%, 98%
XYZ	69.4781, 71.0420, 100.4931
YIQ	219.8540, -13.8480, 8.6800

Conversions

Conversions Part 2

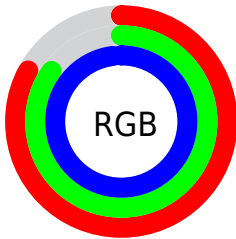
Format	Color
R _Y B	212, 217, 250
Decimal	13949690
CIE Lab	87.51, 4.26, -16.27
CIE LCh	88, 16.817, 284.689
Yxy	71.0420, 0.2883, 0.2948
Android (android.graphics.Color)	4292139770 (0xFFD4DAFA)
YUV	219.8540, 14.8620, -6.8880
Hunter-Lab	84.2864, -0.3620, -11.6899

Details

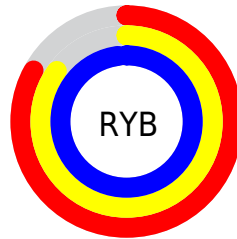
The XYZ color **69.4781, 71.0420, 100.4931** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.6592, 89.7785, 75.2086**, and the grayscale version is **67.8341, 71.3667, 77.7184**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6275, 37.2127, 55.7044** is the 20% darker color. If you saturate the color by 10%, you get **57.7054, 57.3788, 98.4775**, and if you desaturate by 10%, it is **83.0643, 86.6729, 102.7952**.

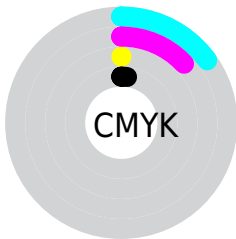
Distribution



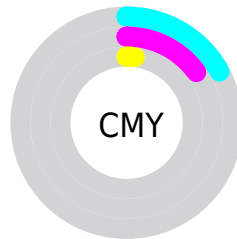
- Red (83%)
- Green (85%)
- Blue (98%)



- Red (83%)
- Yellow (85%)
- Blue (98%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4781, 71.0420, 100.4931 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 69.4781, 71.0420, 100.4931 by changing the saturation by 10% instead.

■ 69.4781, 71.0420,
100.4931

■ 69.4781, 71.0420,
100.4931

448.0104,
464.2002, 583.0326

■ 51.3792, 52.3765,
76.0932

117.4945,
120.6935, 163.8924

■ 36.7328, 37.3052,
56.0018

148.1428,
152.4483, 203.7290

■ 25.1734, 25.4439,
39.8004

183.7049,
189.3350, 249.5482

■ 16.3357, 16.4081,
27.0704

224.5462,
231.7379, 301.7685

■ 9.8544, 9.8134,
17.3932

271.0320,
280.0415, 360.8086

■ 5.3640, 5.2754,
10.3503

323.5278,

■ 2.4993, 2.4097,

334.6302, 427.0870

5.5232

382.3988,
395.8883, 501.0221

■ 0.8949, 0.8309,
2.4933

■ 0.0000, 0.0000,
0.8366

■ 69.4781, 71.0420,
100.4931

■ 69.4781, 71.0420,
100.4931

■ 57.7054, 57.3788,
98.4775

■ 83.0643, 86.6729,
102.7952

■ 47.6625, 45.5964,
96.7325

■ 94.2555, 99.6822,
104.7164

■ 39.2691, 35.6142,
95.2482

■ 32.4355, 27.3423,
94.0117

■ 27.0634, 20.6831,
93.0095

■ 23.0434, 15.5286,
92.2265

■ 20.2495, 11.7574,
91.6458

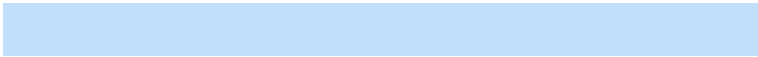
■ 18.5306, 9.2273,
91.2480

■ 17.9973, 8.3857,
91.1137

Harmonies

Analogous

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



65.5270, 71.0420, 100.4200



69.4781, 71.0420, 100.4931



73.0368, 71.0420, 93.9644

Triad

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



69.4781, 71.0420, 100.4931



73.0986, 71.0420, 62.9702



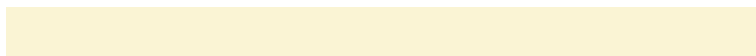
60.4230, 71.0420, 71.7207

Complementary

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



69.4781, 71.0420, 100.4931



83.6592, 89.7785, 75.2086

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.



62.2944, 71.0420, 62.8241



69.4781, 71.0420, 100.4931



69.5597, 71.0420, 58.1195

Square

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



69.4781, 71.0420, 100.4931



75.1821, 71.0420, 71.9389



65.6055, 71.0420, 58.0688



60.4031, 71.0420, 83.0315

Rectangle

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



69.4781, 71.0420, 100.4931



74.6639, 71.0420, 87.0837



65.6055, 71.0420, 58.0688



60.8531, 71.0420, 68.3749

Sweetspot

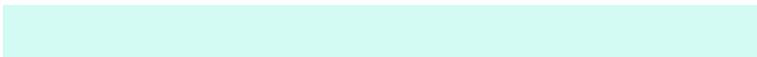
The Sweet Spot groups the original color and five complimentary colors.



69.4803, 71.0449, 100.4947



87.1840, 91.0019, 107.5778



77.6169, 88.8810, 98.3890



18.4329, 19.2167, 22.9876



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.



69.4803, 71.0449, 100.4947



69.0186, 70.0815, 104.4971



71.7477, 69.9447, 100.1628



16.5044, 17.0856, 21.8133



9.6122, 4.5800, 48.3510



0.9526, 0.5489, 4.4989

Inverse Universe

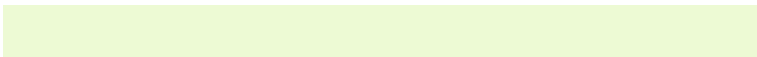
The Inverse Universe completely reimagines the original color for something new.



75.6244, 72.4746, 76.3362



76.5051, 71.8860, 75.0468



81.1070, 91.1879, 75.6151



17.3564, 17.2699, 18.4665



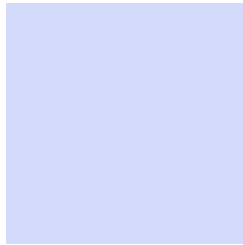
21.1438, 10.8732, 2.1998



1.9898, 1.0196, 0.3695

Previews

White Background



This preview shows how the XYZ color 69.4781, 71.0420, 100.4931 looks on a white background.

Color Contrast Check

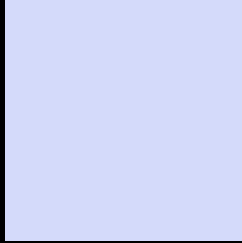
Large Text (above 18pt) WCAG AA × Fail

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 69.4781, 71.0420, 100.4931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

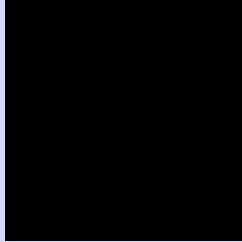
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.4781, 71.0420, 100.4931

Background



This preview shows how black text looks on a background with the XYZ color 69.4781, 71.0420, 100.4931.

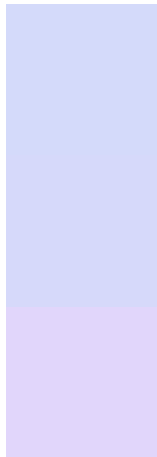


This preview shows how white text looks on a background with the XYZ color 69.4781, 71.0420,

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

69.4781, 71.0420, 100.4931

Protanopia

69.7997, 70.8240, 100.4340

Deuteranopia

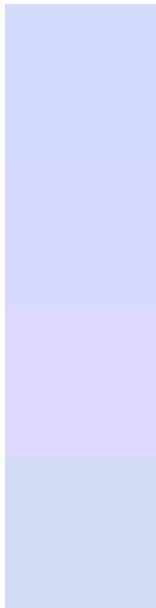
72.5105, 71.0657, 101.1621



Tritanopia

67.6042, 71.0611, 91.0420

Trichromacy



Original Color

69.4781, 71.0420, 100.4931

Protanomaly

69.5087, 70.6740, 100.4204

Deuteranomaly

71.2282, 70.7816, 101.1749

Tritanomaly

68.2225, 70.9227, 94.0981

Monochromacy



Original Color

69.4781, 71.0420, 100.4931

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.3706, 71.1843, 85.7377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4781, 71.0420, 100.4931 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(212, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(212, 218, 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(212, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 218, 250) }
```

Border

The CSS property to change the border of an element to XYZ 69.4781, 71.0420, 100.4931 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(212, 218, 250) }
```


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

```
.border{ border-color:rgb(212, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(212, 218,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4781, 71.0420, 100.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 218, 250) }
```

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

```
.background{ background-color: rgb(212,  
218, 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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