

Converting Colors

XYZ(72.7169, 71.8916,
102.9724)

Have a look what the booklet for
XYZ(72.7169, 71.8916, 102.9724)
contains.

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Color

**XYZ(72.7169, 71.8916,
102.9724)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD8FD
RGB	223, 216, 253
RGB Percent	87%, 85%, 99%
CMY	0.1255, 0.1529, 0.0078
CMYK	0.12, 0.15, 0.00, 0.01
HSL	251°, 90%, 92%
HSV	251°, 15%, 99%
XYZ	72.7169, 71.8916, 102.9724
YIQ	222.3110, -7.7050, 12.9910

Conversions

Conversions Part 2

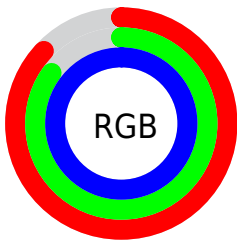
Format	Color
R _{YB}	223, 216, 253
Decimal	14670077
CIE Lab	87.92, 9.39, -17.15
CIE LCh	88, 19.548, 298.694
Yxy	71.8916, 0.2937, 0.2904
Android (android.graphics.Color)	4292860157 (0xFFDFD8FD)
YUV	222.3110, 15.1297, 0.6043
Hunter-Lab	84.7889, 4.7051, -12.6529

Details

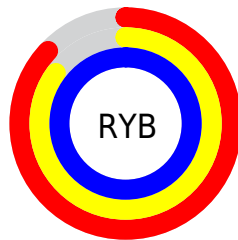
The XYZ color **72.7169, 71.8916, 102.9724** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.5286, 94.8032, 78.7602**, and the grayscale version is **69.5531, 73.1752, 79.6878**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8571, 37.8001, 57.4727** is the 20% darker color. If you saturate the color by 10%, you get **60.7854, 56.8496, 100.6990**, and if you desaturate by 10%, it is **86.4165, 89.3303, 105.6175**.

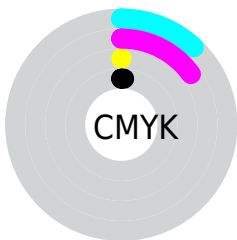
Distribution



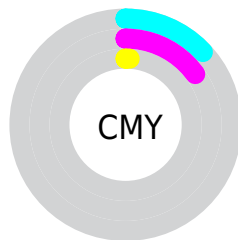
- Red (87%)
- Green (85%)
- Blue (99%)



- Red (87%)
- Yellow (85%)
- Blue (99%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7169, 71.8916, 102.9724 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 72.7169, 71.8916, 102.9724 by changing the saturation by 10% instead.

72.7169, 71.8916,
102.9724

72.7169, 71.8916,
102.9724

459.1520,
467.1642, 591.0089

54.0321, 53.0701,
78.1546

122.0805,
121.9024, 167.3234

38.8581, 37.8588,
57.6837

153.4900,
153.8605, 207.6936

26.8296, 25.8731,
41.1414

189.8718,
190.9663, 254.0850

17.5812, 16.7287,
28.1091

231.5912,
233.6042, 306.9161

10.7476, 10.0413,
18.1681

279.0135,
282.1585, 366.6055

5.9634, 5.4263,
10.9001

332.5042,

2.8633, 2.4995,

337.0137, 433.5718

5.8864

392.4286,
398.5541, 508.2334

■ 1.0819, 0.8764,
2.7084

■ 0.0099, 0.0000,
0.9477

■ 72.7169, 71.8916,
102.9724

■ 72.7169, 71.8916,
102.9724

■ 60.7854, 56.8496,
100.6990

■ 86.4165, 89.3303,
105.6175

■ 50.5428, 44.0901,
98.7760

94.7298, 99.8719,
107.2141

■ 41.9133, 33.5033,
97.1874

■ 34.8128, 24.9664,
95.9138

■ 29.1493, 18.3445,
94.9342

■ 24.8204, 13.4860,
94.2245

■ 21.7097, 10.2160,
93.7573

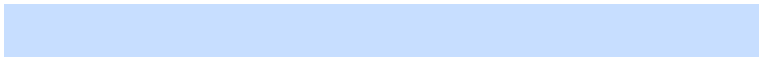
■ 19.6781, 8.3216,
93.4987

■ 18.9417, 7.7166,
93.4208

Harmonies

Analogous

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



68.1272, 71.8916, 106.7882



72.7169, 71.8916, 102.9724



76.2632, 71.8916, 92.3598

Triad

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



72.7169, 71.8916, 102.9724



73.0855, 71.8916, 58.3638



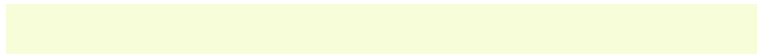
59.7714, 71.8916, 77.6954

Complementary

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



72.7169, 71.8916, 102.9724



85.5286, 94.8032, 78.7602

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.



60.9685, 71.8916, 65.7052



72.7169, 71.8916, 102.9724



68.5349, 71.8916, 55.3553

Square

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



72.7169, 71.8916, 102.9724



76.4827, 71.8916, 66.6091



64.1247, 71.8916, 57.8851



60.7798, 71.8916, 91.2353

Rectangle

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



72.7169, 71.8916, 102.9724



77.4843, 71.8916, 83.4088



64.1247, 71.8916, 57.8851



59.9282, 71.8916, 73.3615

Sweetspot

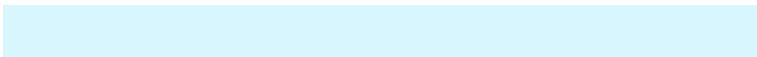
The Sweet Spot groups the original color and five complimentary colors.



72.7191, 71.8946, 102.9740



88.9042, 92.1288, 107.7046



79.0726, 87.7363, 105.6969



18.7890, 19.4123, 23.0066



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.



72.7191, 71.8946, 102.9740



69.7230, 67.7417, 104.0084



78.6603, 74.9574, 103.2520



17.3235, 17.5430, 22.7230



10.1650, 4.1507, 49.7000



1.0707, 0.4459, 4.8429

Inverse Universe

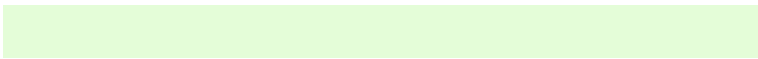
The Inverse Universe completely reimagines the original color for something new.



81.7009, 76.6514, 97.6815



80.7486, 73.5835, 97.3930



79.4274, 91.6579, 78.4747



18.6367, 18.2380, 21.9698



27.4719, 13.4780, 32.1991



2.7111, 1.3268, 3.3259

Previews

White Background



This preview shows how the XYZ color 72.7169, 71.8916, 102.9724 looks on a white background.

Color Contrast Check

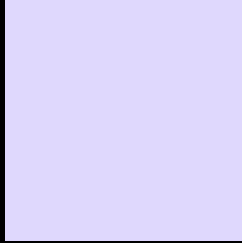
Large Text (above 18pt) WCAG AA × Fail

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 72.7169, 71.8916, 102.9724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

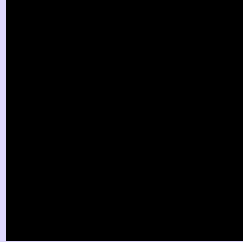
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7169, 71.8916, 102.9724

Background



This preview shows how black text looks on a background with the XYZ color 72.7169, 71.8916, 102.9724.

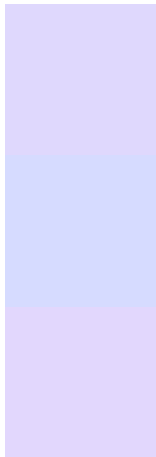


This preview shows how white text looks on a background with the XYZ color 72.7169, 71.8916,

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

72.7169, 71.8916, 102.9724

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.3941, 71.8615, 102.9309



Tritanopia

69.9870, 71.9348, 89.5530

Trichromacy



Original Color

72.7169, 71.8916, 102.9724

Protanomaly

71.5761, 72.0503, 103.9006

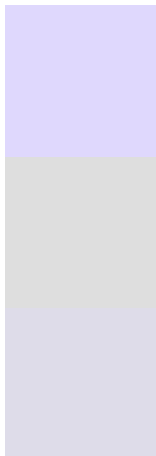
Deuteranomaly

73.0814, 71.7003, 102.9162

Tritanomaly

70.9172, 71.9258, 94.1497

Monochromacy



Original Color

72.7169, 71.8916, 102.9724

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.4254, 72.5992, 87.3920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7169, 71.8916, 102.9724 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(223, 216, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 253)  
}
```

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(223, 216, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 253) }
```

Border

The CSS property to change the border of an element to XYZ 72.7169, 71.8916, 102.9724 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(223, 216, 253) }
```


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

```
.border{ border-color:rgb(223, 216, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 216, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 216, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 216,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7169, 71.8916, 102.9724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 253) }
```

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

```
.background{ background-color: rgb(223,  
216, 253) }
```

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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