

Converting Colors

XYZ(71.2457, 82.5526,
106.7869)

Have a look what the booklet for
XYZ(71.2457, 82.5526, 106.7869)
contains.

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Color

**XYZ(71.3869, 82.7402,
106.8157)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF4FF
RGB	189, 244, 255
RGB Percent	74%, 96%, 100%
CMY	0.2588, 0.0431, 0.0000
CMYK	0.26, 0.04, 0.00, 0.00
HSL	190°, 100%, 87%
HSV	190°, 26%, 100%
XYZ	71.3869, 82.7402, 106.8157
YIQ	228.8090, -36.3110, -8.2390

Conversions

Conversions Part 2

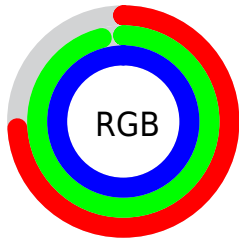
Format	Color
R _Y B	189, 219, 255
Decimal	12449023
CIE Lab	92.90, -14.90, -10.97
CIE LCh	93, 18.503, 216.348
Yxy	82.7402, 0.2736, 0.3171
Android (android.graphics.Color)	4290639103 (0xFFBDF4FF)
YUV	228.8090, 12.9122, -34.9125
Hunter-Lab	90.9616, -19.0957, -5.9507

Details

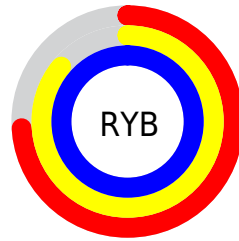
The XYZ color **71.3869, 82.7402, 106.8157** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0794, 66.2419, 57.1854**, and the grayscale version is **74.2649, 78.1324, 85.0862**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.0078, 45.1120, 60.1303** is the 20% darker color. If you saturate the color by 10%, you get **64.3459, 77.2366, 106.1245**, and if you desaturate by 10%, it is **79.5738, 88.8825, 107.5698**.

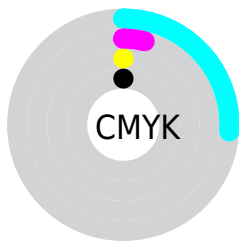
Distribution



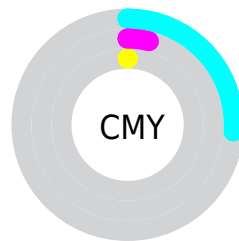
- Red (74%)
- Green (96%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3869, 82.7402, 106.8157 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 71.3869, 82.7402, 106.8157 by changing the saturation by 10% instead.

71.3869, 82.7402,
106.8157

71.3869, 82.7402,
106.8157

454.5956,
504.1203, 603.2627

52.9417, 61.9759,
81.3562

120.2000,
137.2115, 172.6257

37.9835, 45.0132,
60.3023

151.2986,
171.6873, 213.8133

26.1470, 31.4678,
43.2354

187.3456,
211.5023, 261.0806

17.0669, 20.9553,
29.7371

228.7065,
257.0410, 314.8462

10.3778, 13.0914,
19.3888

275.7466,
308.6878, 375.5287

5.7144, 7.4915,
11.7719

328.8312,

2.7112, 3.7713,

366.8270, 443.5466

6.4679

388.3258,
431.8430, 519.3184

■ 1.0029, 1.5465,
3.0583

■ 0.0000, 0.3211,
1.1245

■ 71.3869, 82.7402,
106.8157

■ 71.3869, 82.7402,
106.8157

■ 64.3459, 77.2366,
106.1245

■ 79.5738, 88.8825,
107.5698

■ 58.3857, 72.3316,
105.4919

■ 88.9542, 95.6819,
108.3878

■ 53.4449, 67.9952,
104.9153

95.0500, 100.0000,
108.9000

■ 49.4530, 64.1908,
104.3914

■ 46.3300, 60.8770,
103.9163

■ 43.9828, 58.0054,
103.4858

■ 42.2956, 55.5159,
103.0942

■ 41.7229, 54.5657,
102.9410

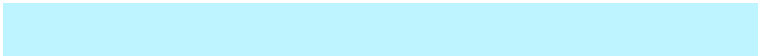
Harmonies

Analogous

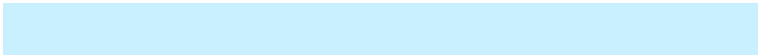
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7566, 82.7402, 93.0670



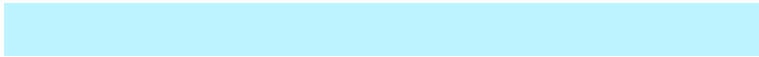
71.3869, 82.7402, 106.8157



74.9698, 82.7402, 116.7555

Triad

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



71.3869, 82.7402, 106.8157



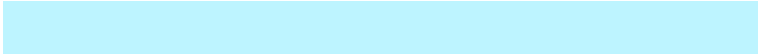
87.4721, 82.7402, 101.2033



77.6183, 82.7402, 66.1270

Complementary

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



71.3869, 82.7402, 106.8157



71.0794, 66.2419, 57.1854

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.



82.4324, 82.7402, 67.8291



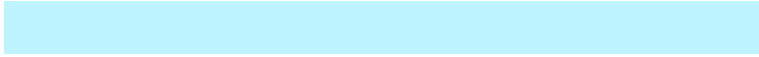
71.3869, 82.7402, 106.8157



88.2518, 82.7402, 87.1772

Square

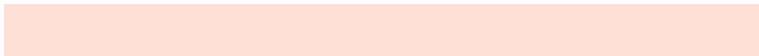
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3869, 82.7402, 106.8157



84.2838, 82.7402, 113.2900



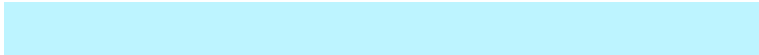
86.3729, 82.7402, 75.2083



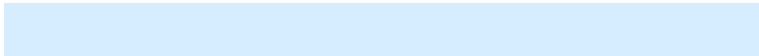
73.2579, 82.7402, 70.2955

Rectangle

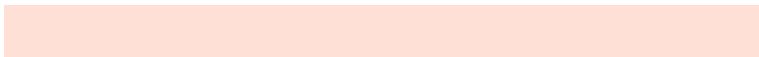
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



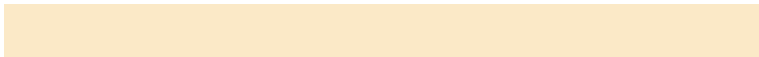
71.3869, 82.7402, 106.8157



78.0512, 82.7402, 119.3700



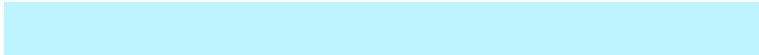
86.3729, 82.7402, 75.2083



79.2360, 82.7402, 66.0382

Sweetspot

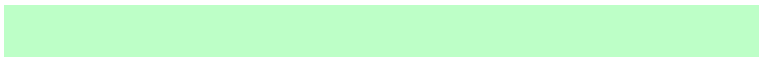
The Sweet Spot groups the original color and five complimentary colors.



71.3891, 82.7434, 106.8162



86.8644, 94.1848, 108.2090



67.0444, 86.4582, 67.1279



18.2821, 19.9359, 23.1344



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.



71.3891, 82.7434, 106.8162



67.6448, 79.8475, 106.4546



62.6059, 65.1771, 103.8885



18.2821, 19.9359, 23.1344



21.8964, 28.7024, 53.8206



2.1973, 2.9253, 5.2621

Inverse Universe

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



75.7681, 64.1884, 93.9879



72.7570, 58.6917, 91.3646



79.2544, 82.5917, 59.9104



18.6551, 18.2453, 22.0666



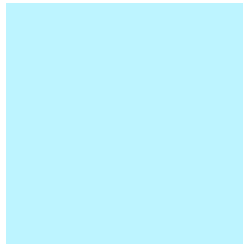
27.8405, 13.6255, 34.1401



2.7437, 1.3399, 3.4978

Previews

White Background



This preview shows how the XYZ color 71.3869, 82.7402, 106.8157 looks on a white background.

Color Contrast Check

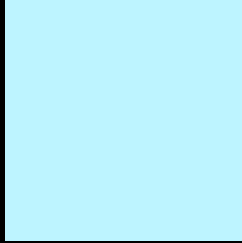
Large Text (above 18pt) WCAG AA × Fail

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 71.3869, 82.7402, 106.8157 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 71.3869, 82.7402, 106.8157

Background



This preview shows how black text looks on a background with the XYZ color 71.3869, 82.7402, 106.8157.

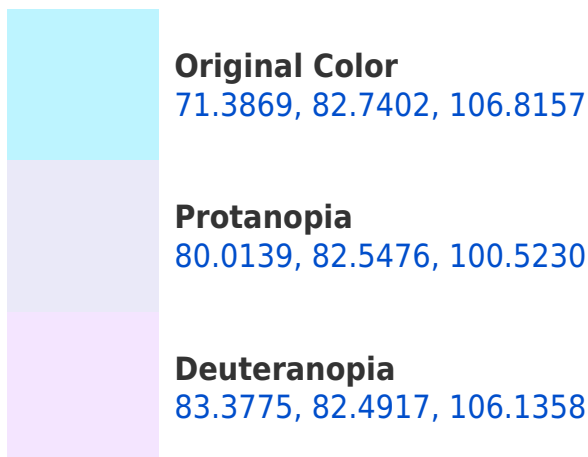


This preview shows how white text looks on a background with the XYZ color 71.3869, 82.7402,

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

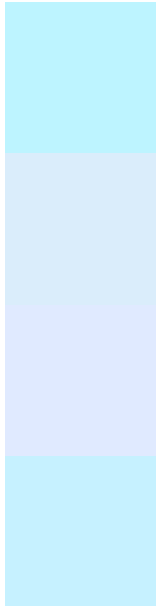




Tritanopia

73.8387, 82.2367, 106.5893

Trichromacy



Original Color

71.3869, 82.7402, 106.8157

Protanomaly

76.6102, 82.4388, 103.1413

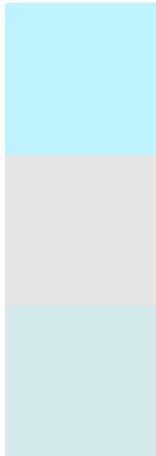
Deuteranomaly

78.2133, 81.9129, 106.2962

Tritanomaly

72.7940, 82.1364, 106.6250

Monochromacy



Original Color

71.3869, 82.7402, 106.8157

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.5870, 79.3148, 92.3725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3869, 82.7402, 106.8157 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(189, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 244, 255)  
}
```

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(189, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.3869, 82.7402, 106.8157 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(189, 244, 255) }
```


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

```
.border{ border-color:rgb(189, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3869, 82.7402, 106.8157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 244, 255) }
```

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

```
.background{ background-color: rgb(189,  
244, 255) }
```

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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