

Converting Colors

XYZ(70.1949, 77.2041,
103.0178)

Have a look what the booklet for
XYZ(70.1949, 77.2041, 103.0178)
contains.

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Color

**XYZ(69.9805, 76.8836,
103.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E8FC
RGB	199, 232, 252
RGB Percent	78%, 91%, 99%
CMY	0.2196, 0.0902, 0.0118
CMYK	0.21, 0.08, 0.00, 0.01
HSL	203°, 90%, 88%
HSV	203°, 21%, 99%
XYZ	69.9805, 76.8836, 103.2471
YIQ	224.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

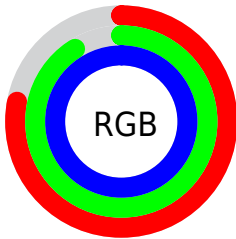
Format	Color
R _Y B	199, 219, 252
Decimal	13101308
CIE Lab	90.27, -6.56, -13.27
CIE LCh	90, 14.801, 243.689
Yxy	76.8836, 0.2798, 0.3074
Android (android.graphics.Color)	4291291388 (0xFFC7E8FC)
YUV	224.4130, 13.6004, -22.2872
Hunter-Lab	87.6833, -10.9840, -8.4357

Details

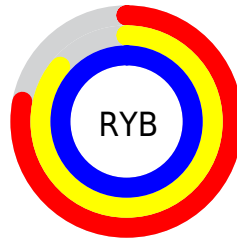
The XYZ color **69.9805, 76.8836, 103.2471** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7860, 75.4823, 64.6098**, and the grayscale version is **71.0679, 74.7689, 81.4234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8773, 40.9201, 57.5845** is the 20% darker color. If you saturate the color by 10%, you get **61.2359, 68.5111, 102.0932**, and if you desaturate by 10%, it is **79.9817, 86.1228, 104.5046**.

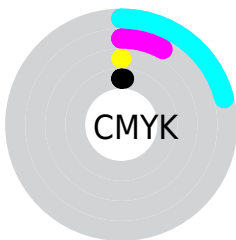
Distribution



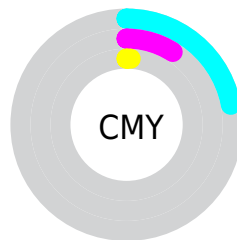
- Red (78%)
- Green (91%)
- Blue (99%)



- Red (78%)
- Yellow (86%)
- Blue (99%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9805, 76.8836, 103.2471 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 69.9805, 76.8836, 103.2471 by changing the saturation by 10% instead.

■ 69.9805, 76.8836,
103.2471

■ 69.9805, 76.8836,
103.2471

449.7490,
484.3671, 591.8891

■ 51.7902, 57.1573,
78.3831

118.2074,
128.9752, 167.7030

■ 37.0614, 41.1316,
57.8705

148.9746,
162.1093, 208.1320

■ 25.4290, 28.4219,
41.2905

184.6649,
200.4814, 254.5865

■ 16.5274, 18.6439,
28.2247

225.6435,
244.4760, 307.4849

■ 9.9913, 11.4133,
18.2546

272.2759,
294.4775, 367.2458

■ 5.4554, 6.3455,
10.9616

324.9274,

■ 2.5543, 3.0563,

350.8703, 434.2878

5.9272

383.9633,
414.0386, 509.0294

■ 0.9227, 1.1612,
2.7328

■ 0.0000, 0.0297,
0.9599

■ 69.9805, 76.8836,
103.2471

■ 69.9805, 76.8836,
103.2471

■ 61.2359, 68.5111,
102.0932

■ 79.9817, 86.1228,
104.5046

■ 53.6842, 60.9632,
101.0343

■ 91.2855, 96.2498,
105.8635

■ 47.2665, 54.2080,
100.0687

■ 94.5709, 99.8084,
106.3772

■ 41.9153, 48.2073,
99.1925

■ 37.5557, 42.9188,
98.4015

■ 34.1018, 38.2945,
97.6909

■ 31.4511, 34.2777,
97.0553

■ 29.6142, 31.1150,
96.5417

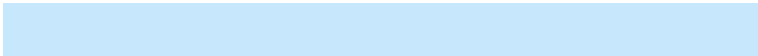
Harmonies

Analogous

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



67.3386, 76.8836, 95.4778



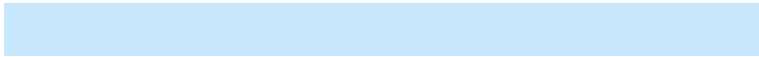
69.9805, 76.8836, 103.2471



73.5322, 76.8836, 105.6341

Triad

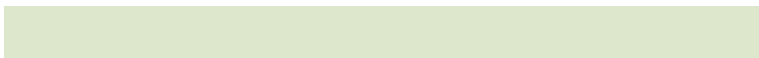
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9805, 76.8836, 103.2471



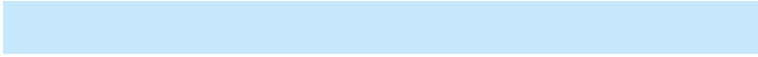
80.3749, 76.8836, 82.4147



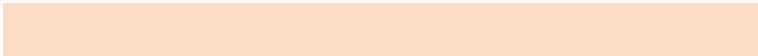
69.2164, 76.8836, 67.9422

Complementary

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



69.9805, 76.8836, 103.2471



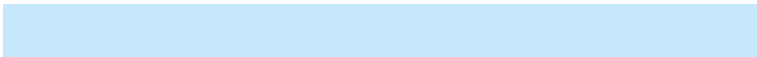
75.7860, 75.4823, 64.6098

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.



72.6208, 76.8836, 65.0563



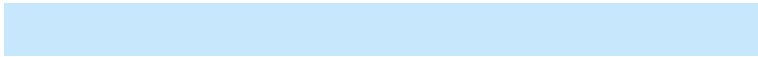
69.9805, 76.8836, 103.2471



79.1295, 76.8836, 72.9570

Square

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



69.9805, 76.8836, 103.2471



79.6110, 76.8836, 93.0312



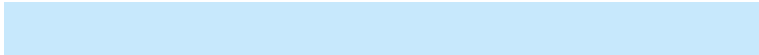
76.2605, 76.8836, 66.8129



66.9079, 76.8836, 75.0391

Rectangle

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



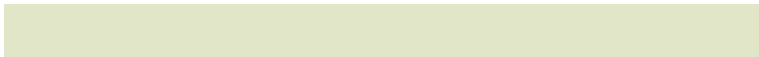
69.9805, 76.8836, 103.2471



75.9587, 76.8836, 103.6990



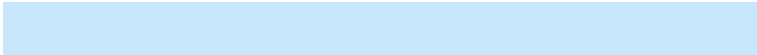
76.2605, 76.8836, 66.8129



70.2664, 76.8836, 66.4758

Sweetspot

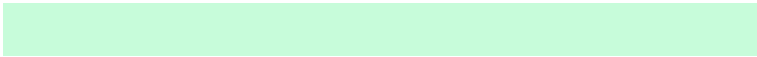
The Sweet Spot groups the original color and five complimentary colors.



69.9828, 76.8867, 103.2488



87.8294, 93.5847, 108.0423



71.0768, 86.8491, 79.6464



18.6373, 19.8859, 23.1060



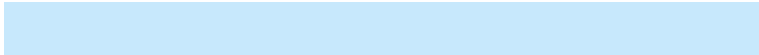
0.0000, 0.0000, 0.0000



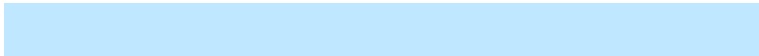
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9828, 76.8867, 103.2488



68.1598, 75.4507, 105.5788



63.2129, 63.3469, 100.9922



17.1834, 18.4437, 22.0396



15.5727, 16.5010, 50.3378



1.5443, 1.7323, 4.6961

Inverse Universe

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



75.1357, 67.3704, 85.3911



74.3416, 64.3972, 84.0734



83.0873, 90.0849, 67.0435



17.6991, 17.4070, 20.2714



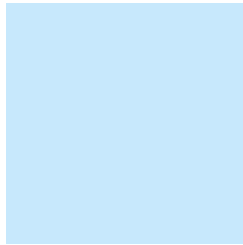
24.1524, 12.0767, 18.0428



2.2884, 1.1391, 1.9422

Previews

White Background



This preview shows how the XYZ color 69.9805, 76.8836, 103.2471 looks on a white background.

Color Contrast Check

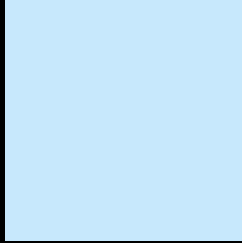
Large Text (above 18pt) WCAG AA × Fail

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 69.9805, 76.8836, 103.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

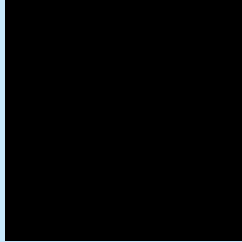
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9805, 76.8836, 103.2471

Background



This preview shows how black text looks on a background with the XYZ color 69.9805, 76.8836, 103.2471.



This preview shows how white text looks on a background with the XYZ color 69.9805, 76.8836,

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

69.9805, 76.8836, 103.2471

Protanopia

74.9198, 76.6353, 99.6503

Deuteranopia

78.3379, 76.7015, 104.4420



Tritanopia

69.8224, 76.8204, 102.4146

Trichromacy



Original Color

69.9805, 76.8836, 103.2471

Protanomaly

73.1612, 76.9253, 100.6146

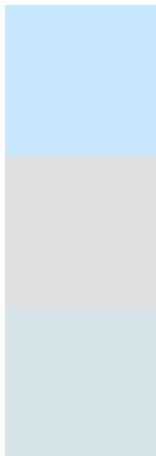
Deuteranomaly

75.0863, 76.6303, 103.7622

Tritanomaly

69.8224, 76.8204, 102.4146

Monochromacy



Original Color

69.9805, 76.8836, 103.2471

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.3447, 75.3258, 88.6737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9805, 76.8836, 103.2471 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(199, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(199, 232, 252)  
}
```

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(199, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 232, 252) }
```

Border

The CSS property to change the border of an element to XYZ 69.9805, 76.8836, 103.2471 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(199, 232, 252) }
```


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

```
.border{ border-color:rgb(199, 232, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 232, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(199, 232,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9805, 76.8836, 103.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 232, 252) }
```

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

```
.background{ background-color: rgb(199,  
232, 252) }
```

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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