

Converting Colors

XYZ(69.9854, 72.0653, 98.0683)

Have a look what the booklet for
XYZ(69.9854, 72.0653, 98.0683)
contains.

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Color

**XYZ(70.1133, 72.1979,
98.2359)**

Conversions

Conversions Part 1

Format	Color
Hex	D6DCF7
RGB	214, 220, 247
RGB Percent	84%, 86%, 97%
CMY	0.1608, 0.1372, 0.0314
CMYK	0.13, 0.11, 0.00, 0.03
HSL	229°, 67%, 90%
HSV	229°, 13%, 97%
XYZ	70.1133, 72.1979, 98.2359
YIQ	221.2840, -12.2430, 7.1250

Conversions

Conversions Part 2

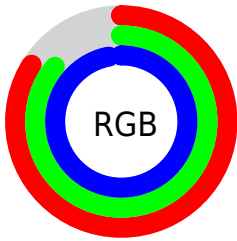
Format	Color
RYB	214, 219, 247
Decimal	14081271
CIELab	88.06, 3.23, -13.84
CIElCh	88, 14.207, 283.125
Yxy	72.1979, 0.2915, 0.3001
Android (android.graphics.Color)	4292271351 (0xFFD6DCF7)
YUV	221.2840, 12.6780, -6.3881
Hunter-Lab	84.9693, -1.4053, -9.0686

Details

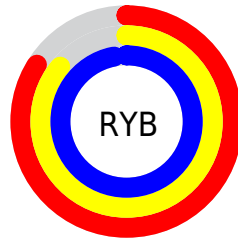
The XYZ color **70.1133, 72.1979, 98.2359** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.9513, 87.5397, 76.1976**, and the grayscale version is **68.8484, 72.4338, 78.8805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1572, 38.0428, 54.6748** is the 20% darker color. If you saturate the color by 10%, you get **58.4575, 58.7878, 96.2630**, and if you desaturate by 10%, it is **83.5076, 87.4597, 100.4769**.

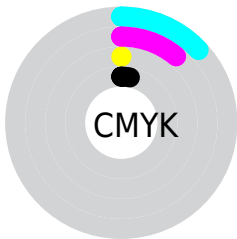
Distribution



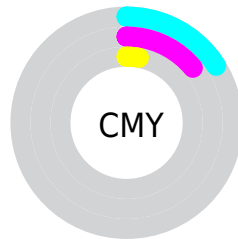
- Red (84%)
- Green (86%)
- Blue (97%)



- Red (84%)
- Yellow (86%)
- Blue (97%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (14%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1133, 72.1979, 98.2359 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 70.1133, 72.1979, 98.2359 by changing the saturation by 10% instead.

■ 70.1133, 72.1979,
98.2359

■ 70.1133, 72.1979,
98.2359

450.2079,
468.2301, 575.7202

■ 51.8988, 53.3204,
74.2194

118.3957,
122.3378, 160.7615

■ 37.1484, 38.0586,
54.4758

149.1944,
154.3690, 200.1076

■ 25.4966, 26.0281,
38.5864

184.9184,
191.5536, 245.4008

■ 16.5781, 16.8447,
26.1328

225.9333,
234.2758, 297.0595

■ 10.0276, 10.1238,
16.6963

272.6044,
282.9202, 355.5022

■ 5.4797, 5.4811,
9.8586

325.2969,

■ 2.5690, 2.5322,

337.8711, 421.1475

5.2009

384.3763,
399.5130, 494.4140

■ 0.9302, 0.8927,
2.3048

■ 0.0000, 0.0000,
0.7339

■ 70.1133, 72.1979,
98.2359

■ 70.1133, 72.1979,
98.2359

■ 58.4575, 58.7878,
96.2630

■ 83.5076, 87.4597,
100.4769

■ 48.4618, 47.1494,
94.5434

■ 93.7887, 99.4955,
102.2582

■ 40.0515, 37.2105,
93.0682

■ 33.1435, 28.8900,
91.8263

■ 27.6471, 22.1004,
90.8055

■ 23.4613, 16.7452,
89.9924

■ 20.4711, 12.7167,
89.3724

■ 18.5399, 9.8903,
88.9287

■ 17.7243, 8.5867,
88.7200

Harmonies

Analogous

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



66.7466, 72.1979, 97.8695



70.1133, 72.1979, 98.2359



73.1765, 72.1979, 93.0435

Triad

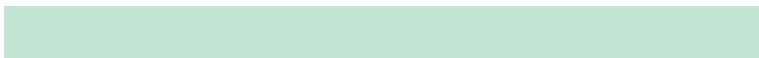
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1133, 72.1979, 98.2359



73.4918, 72.1979, 66.5242



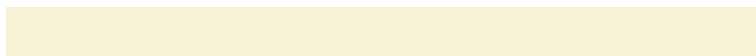
62.5695, 72.1979, 73.3142

Complementary

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



70.1133, 72.1979, 98.2359



81.9513, 87.5397, 76.1976

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.



64.2604, 72.1979, 65.7543



70.1133, 72.1979, 98.2359



70.5321, 72.1979, 62.0611

Square

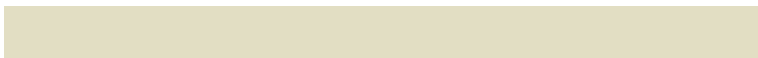
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1133, 72.1979, 98.2359



75.1699, 72.1979, 74.4465



67.1519, 72.1979, 61.7914



62.4657, 72.1979, 82.9285

Rectangle

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



70.1133, 72.1979, 98.2359



74.6040, 72.1979, 87.3584



67.1519, 72.1979, 61.7914



62.9685, 72.1979, 70.4684

Sweetspot

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



70.1155, 72.2009, 98.2375



88.7919, 92.9074, 107.8608



76.8635, 87.1669, 95.9550



18.7607, 19.6084, 23.0460



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.



70.1155, 72.2009, 98.2375



71.8607, 73.5878, 105.0241



71.7167, 70.7296, 97.8691



15.8249, 16.4141, 20.8767



9.4469, 4.6876, 46.9449



0.8963, 0.5439, 4.1480

Inverse Universe

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



75.3244, 73.0364, 77.8409



78.4713, 74.7081, 79.1255



80.1747, 89.3050, 76.6320



16.6222, 16.5317, 17.7571



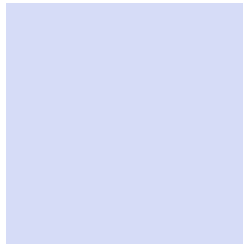
20.5729, 10.5726, 2.4591



1.8415, 0.9425, 0.3915

Previews

White Background



This preview shows how the XYZ color 70.1133, 72.1979, 98.2359 looks on a white background.

Color Contrast Check

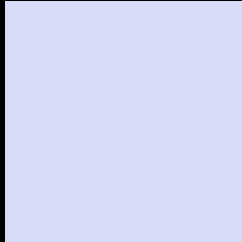
Large Text (above 18pt) WCAG AA × Fail

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 70.1133, 72.1979, 98.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

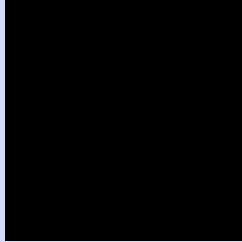
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1133, 72.1979, 98.2359

Background



This preview shows how black text looks on a background with the XYZ color 70.1133, 72.1979, 98.2359.

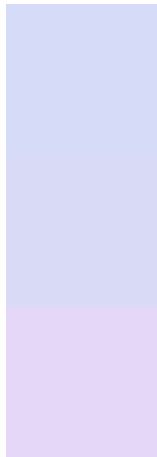


This preview shows how white text looks on a background with the XYZ color 70.1133, 72.1979,

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

70.1133, 72.1979, 98.2359

Protanopia

70.5813, 72.0686, 97.3794

Deuteranopia

73.5568, 72.0362, 98.8345



Tritanopia

68.8770, 72.0910, 91.9461

Trichromacy



Original Color

70.1133, 72.1979, 98.2359

Protanomaly

70.2850, 71.9158, 97.3655

Deuteranomaly

72.4966, 72.2503, 98.9317

Tritanomaly

69.3240, 72.2698, 94.3001

Monochromacy



Original Color

70.1133, 72.1979, 98.2359

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.0528, 72.3315, 85.1848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1133, 72.1979, 98.2359 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(214, 220, 247) looks like.

```
.text, #text, p{  
    color:rgb(214, 220, 247)  
}
```

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(214, 220, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 220, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.1133, 72.1979, 98.2359 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(214, 220, 247) }
```


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

```
.border{ border-color:rgb(214, 220, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 220, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 220, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 220, 247);  
box-shadow:4px 4px 4px 4px rgb(214, 220,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1133, 72.1979, 98.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 220, 247) }
```

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

```
.background{ background-color: rgb(214,  
220, 247) }
```

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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