

Converting Colors

XYZ(68.9137, 70.4428, 99.8759)

Have a look what the booklet for
XYZ(68.9137, 70.4428, 99.8759)
contains.

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Color

**XYZ(68.7757, 70.3141,
99.5697)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D9F9
RGB	211, 217, 249
RGB Percent	83%, 85%, 98%
CMY	0.1725, 0.1490, 0.0235
CMYK	0.15, 0.13, 0.00, 0.02
HSL	231°, 76%, 90%
HSV	231°, 15%, 98%
XYZ	68.7757, 70.3141, 99.5697
YIQ	218.8540, -13.8480, 8.6800

Conversions

Conversions Part 2

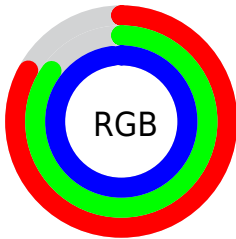
Format	Color
R _Y B	211, 216, 249
Decimal	13883897
CIE Lab	87.15, 4.27, -16.28
CIE LCh	87, 16.832, 284.697
Yxy	70.3141, 0.2882, 0.2946
Android (android.graphics.Color)	4292073977 (0xFFD3D9F9)
YUV	218.8540, 14.8620, -6.8880
Hunter-Lab	83.8535, -0.3399, -11.7049

Details

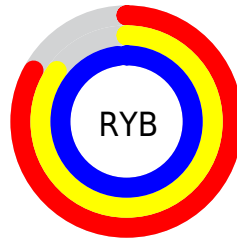
The XYZ color **68.7757, 70.3141, 99.5697** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8760, 88.9440, 74.4295**, and the grayscale version is **67.1396, 70.6361, 76.9227**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2563, 36.7588, 55.6363** is the 20% darker color. If you saturate the color by 10%, you get **57.1221, 56.7884, 97.5743**, and if you desaturate by 10%, it is **82.2251, 85.7884, 101.8488**.

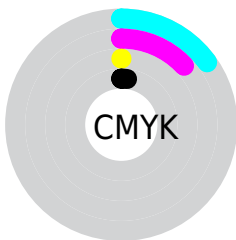
Distribution



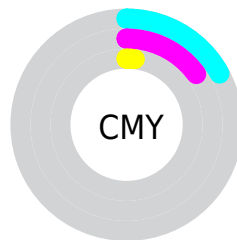
- Red (83%)
- Green (85%)
- Blue (98%)



- 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 68.7757, 70.3141, 99.5697 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 68.7757, 70.3141, 99.5697 by changing the saturation by 10% instead.

■ 68.7757, 70.3141,
99.5697

■ 68.7757, 70.3141,
99.5697

445.5732,
461.6521, 580.0471

■ 50.8050, 51.7826,
75.3263

116.4970,
119.6566, 162.6124

■ 36.2739, 36.8319,
55.3769

146.9783,
151.2364, 202.2489

■ 24.8169, 25.0773,
39.3030

182.3606,
187.9344, 247.8535

■ 16.0687, 16.1347,
26.6859

223.0091,
230.1351, 299.8447

■ 9.6639, 9.6195,
17.1071

269.2893,
278.2228, 358.6412

■ 5.2373, 5.1474,
10.1481

321.5665,

■ 2.4233, 2.3340,

332.5820, 424.6614

5.3904

380.2060,
393.5969, 498.3238

■ 0.8567, 0.7916,
2.4154

■ 0.0000, 0.0000,
0.7948

■ 68.7757, 70.3141,
99.5697

■ 68.7757, 70.3141,
99.5697

■ 57.1221, 56.7884,
97.5743

■ 82.2251, 85.7884,
101.8488

■ 47.1816, 45.1252,
95.8470

■ 94.0991, 99.6196,
103.8927

■ 38.8743, 35.2447,
94.3777

■ 32.1116, 27.0578,
93.1539

■ 26.7962, 20.4678,
92.1621

■ 22.8193, 15.3679,
91.3873

■ 20.0563, 11.6374,
90.8129

■ 18.3576, 9.1356,
90.4195

■ 17.8356, 8.3126,
90.2882

Harmonies

Analogous

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



64.8483, 70.3141, 99.4989



68.7757, 70.3141, 99.5697



72.3134, 70.3141, 93.0745

Triad

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



68.7757, 70.3141, 99.5697



72.3732, 70.3141, 62.2661



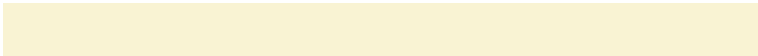
59.7746, 70.3141, 70.9654

Complementary

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



68.7757, 70.3141, 99.5697



82.8760, 88.9440, 74.4295

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.



61.6338, 70.3141, 62.1247



68.7757, 70.3141, 99.5697



68.8547, 70.3141, 57.4492

Square

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



68.7757, 70.3141, 99.5697



74.4452, 70.3141, 71.1764



64.9242, 70.3141, 57.4002



59.7553, 70.3141, 82.2087

Rectangle

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



68.7757, 70.3141, 99.5697



73.9308, 70.3141, 86.2315



64.9242, 70.3141, 57.4002



60.2017, 70.3141, 67.6403

Sweetspot

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



68.7778, 70.3170, 99.5713



87.1840, 91.0019, 107.5778



76.8684, 88.0525, 97.4760



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.



68.7778, 70.3170, 99.5713



69.0185, 70.0813, 104.4971



71.0319, 69.2238, 99.2415



16.5044, 17.0856, 21.8133



9.6122, 4.5799, 48.3509



0.9526, 0.5489, 4.4989

Inverse Universe

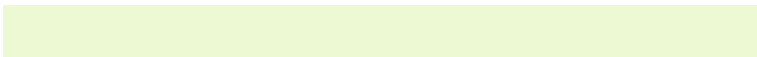
The Inverse Universe completely reimagines the original color for something new.



74.8873, 71.7397, 75.5490



76.5050, 71.8860, 75.0466



80.3378, 90.3458, 74.8338



17.3564, 17.2699, 18.4665



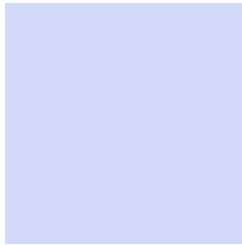
21.1438, 10.8732, 2.1997



1.9898, 1.0196, 0.3695

Previews

White Background



This preview shows how the XYZ color 68.7757, 70.3141, 99.5697 looks on a white background.

Color Contrast Check

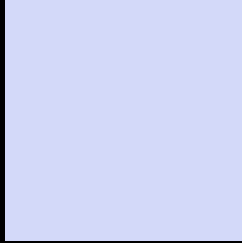
Large Text (above 18pt) WCAG AA × Fail

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 68.7757, 70.3141, 99.5697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

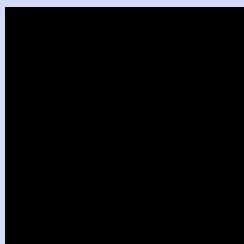
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7757, 70.3141, 99.5697

Background



This preview shows how black text looks on a background with the XYZ color 68.7757, 70.3141, 99.5697.



This preview shows how white text looks on a background with the XYZ color 68.7757, 70.3141,

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

68.7757, 70.3141, 99.5697

Protanopia

69.0953, 70.0974, 99.5110

Deuteranopia

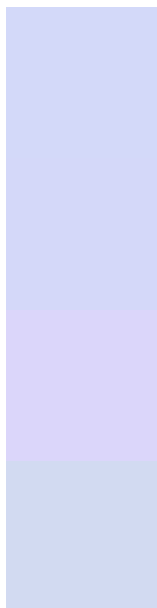
71.7900, 70.3379, 100.2353



Tritanopia

66.7663, 70.2745, 89.4022

Trichromacy



Original Color

68.7757, 70.3141, 99.5697

Protanomaly

68.8061, 69.9483, 99.4974

Deuteranomaly

70.5153, 70.0553, 100.2480

Tritanomaly

67.5269, 70.1953, 93.2091

Monochromacy



Original Color

68.7757, 70.3141, 99.5697

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6732, 70.4549, 84.8953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7757, 70.3141, 99.5697 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(211, 217, 249)` looks like.

```
.text, #text, p{  
    color:rgb(211, 217, 249)  
}
```

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(211, 217, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 217, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.7757, 70.3141, 99.5697 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(211, 217, 249) }
```


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

```
.border{ border-color:rgb(211, 217, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 217, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 217, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 217, 249);  
box-shadow:4px 4px 4px 4px rgb(211, 217,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7757, 70.3141, 99.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 217, 249) }
```

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

```
.background{ background-color: rgb(211,  
217, 249) }
```

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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