

Converting Colors

XYZ(68.9679, 70.9345,
100.7843)

Have a look what the booklet for
XYZ(68.9679, 70.9345, 100.7843)
contains.

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Color

**XYZ(68.9051, 70.7466,
100.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DAFA
RGB	210, 218, 250
RGB Percent	82%, 85%, 98%
CMY	0.1765, 0.1451, 0.0196
CMYK	0.16, 0.13, 0.00, 0.02
HSL	228°, 80%, 90%
HSV	228°, 16%, 98%
XYZ	68.9051, 70.7466, 100.4662
YIQ	219.2560, -15.0400, 8.2560

Conversions

Conversions Part 2

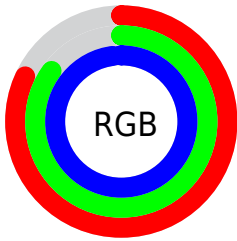
Format	Color
R_{YB}	210, 217, 250
Decimal	13818618
CIE _{Lab}	87.36, 3.64, -16.50
CIE _{LCh}	87, 16.895, 282.449
Yxy	70.7466, 0.2870, 0.2946
Android (android.graphics.Color)	4292008698 (0xFFD2DAFA)
YUV	219.2560, 15.1568, -8.1175
Hunter-Lab	84.1110, -0.9641, -11.9411

Details

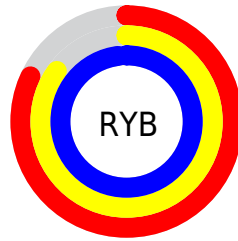
The XYZ color **68.9051, 70.7466, 100.4662** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8099, 88.4812, 73.6885**, and the grayscale version is **67.4170, 70.9279, 77.2405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2404, 37.0132, 55.6863** is the 20% darker color. If you saturate the color by 10%, you get **57.4592, 57.6078, 98.5346**, and if you desaturate by 10%, it is **82.0929, 85.7159, 102.6616**.

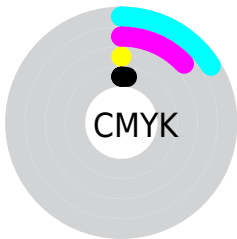
Distribution



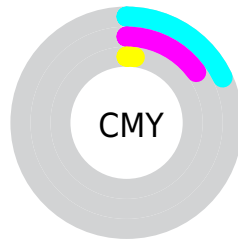
- Red (82%)
- Green (85%)
- Blue (98%)



- Red (82%)
- Yellow (85%)
- Blue (98%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9051, 70.7466, 100.4662 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 68.9051, 70.7466, 100.4662 by changing the saturation by 10% instead.

■ 68.9051, 70.7466,
100.4662

■ 68.9051, 70.7466,
100.4662

446.0228,
463.1671, 582.9458

■ 50.9108, 52.1354,
76.0709

116.6808,
120.2728, 163.8552

■ 36.3584, 37.1130,
55.9836

147.1930,
151.9567, 203.6859

■ 24.8825, 25.2950,
39.7859

182.6084,
188.7669, 249.4988

■ 16.1178, 16.2970,
27.0591

223.2925,
231.0879, 301.7125

■ 9.6989, 9.7346,
17.3848

269.6107,
279.3040, 360.7455

■ 5.2605, 5.2233,
10.3444

321.9282,

■ 2.4372, 2.3789,

333.7996, 427.0164

5.5193

380.6105,
394.9592, 500.9436

■ 0.8637, 0.8150,
2.4910

■ 0.0000, 0.0000,
0.8354

■ 68.9051, 70.7466,
100.4662

■ 68.9051, 70.7466,
100.4662

■ 57.4592, 57.6078,
98.5346

■ 82.0929, 85.7159,
102.6616

■ 47.6751, 46.2199,
96.8521

■ 94.2555, 99.6822,
104.7164

■ 39.4760, 36.5101,
95.4101

■ 32.7762, 28.3973,
94.1973

■ 27.4819, 21.7933,
93.2016

■ 23.4881, 16.6008,
92.4099

■ 20.6742, 12.7105,
91.8073

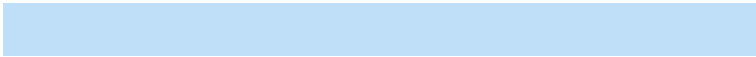
■ 18.8946, 9.9945,
91.3768

■ 18.3968, 9.1848,
91.2468

Harmonies

Analogous

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



64.9619, 70.7466, 99.8648



68.9051, 70.7466, 100.4662



72.5389, 70.7466, 94.3542

Triad

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



68.9051, 70.7466, 100.4662



73.0466, 70.7466, 63.1702



60.2093, 70.7466, 70.6114

Complementary

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



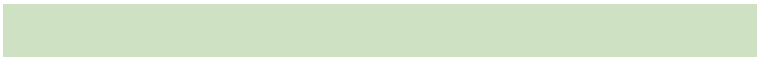
68.9051, 70.7466, 100.4662



82.8099, 88.4812, 73.6885

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.



62.2104, 70.7466, 61.9696



68.9051, 70.7466, 100.4662



69.5759, 70.7466, 57.9735

Square

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



68.9051, 70.7466, 100.4662



74.9926, 70.7466, 72.4041



65.6069, 70.7466, 57.5569



60.0457, 70.7466, 81.8510

Rectangle

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



68.9051, 70.7466, 100.4662



74.2555, 70.7466, 87.6155



65.6069, 70.7466, 57.5569



60.6856, 70.7466, 67.3353

Sweetspot

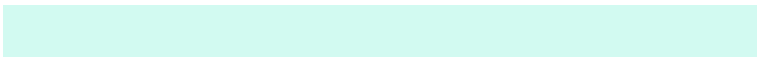
The Sweet Spot groups the original color and five complimentary colors.



68.9072, 70.7495, 100.4678



87.3460, 91.3259, 107.6318



76.6924, 88.4450, 96.5111



18.4721, 19.2951, 23.0007



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.



68.9072, 70.7495, 100.4678



68.2747, 69.6570, 104.4544



70.2238, 68.4215, 99.9490



16.5642, 17.2052, 21.8332



9.8380, 5.0315, 48.4262



0.9822, 0.6080, 4.5088

Inverse Universe

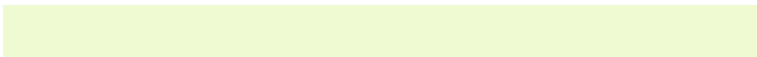
The Inverse Universe completely reimagines the original color for something new.



75.1276, 71.4809, 76.1705



75.8701, 70.6383, 74.7664



81.3039, 91.3184, 74.3155



17.3866, 17.2820, 18.6254



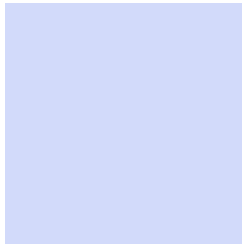
21.2578, 10.9188, 2.7999



2.0047, 1.0256, 0.4480

Previews

White Background



This preview shows how the XYZ color 68.9051, 70.7466, 100.4662 looks on a white background.

Color Contrast Check

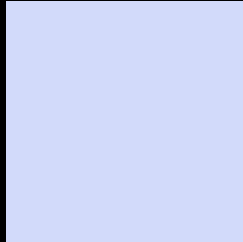
Large Text (above 18pt) WCAG AA × Fail

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 68.9051, 70.7466, 100.4662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

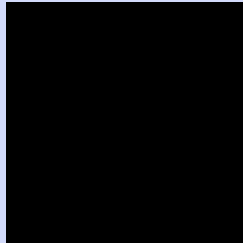
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9051, 70.7466, 100.4662

Background



This preview shows how black text looks on a background with the XYZ color 68.9051, 70.7466, 100.4662.

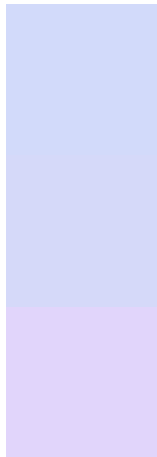


This preview shows how white text looks on a background with the XYZ color 68.9051, 70.7466,

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

68.9051, 70.7466, 100.4662

Protanopia

69.3523, 70.6114, 99.5966

Deuteranopia

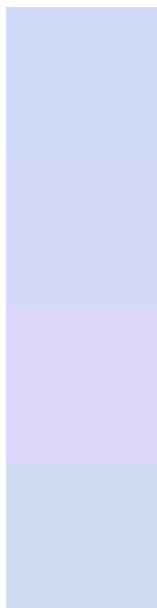
72.2582, 70.5611, 101.0780



Tritanopia

67.0382, 70.7693, 91.0155

Trichromacy



Original Color

68.9051, 70.7466, 100.4662

Protanomaly

69.0631, 70.4623, 99.5831

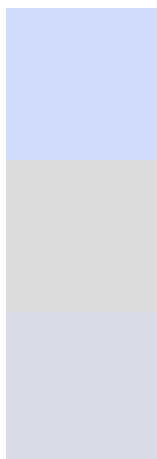
Deuteranomaly

71.2282, 70.7816, 101.1749

Tritanomaly

67.6530, 70.6292, 94.0715

Monochromacy



Original Color

68.9051, 70.7466, 100.4662

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9333, 70.9751, 84.9820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9051, 70.7466, 100.4662 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(210, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(210, 218, 250)  
}
```

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(210, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 218, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.9051, 70.7466, 100.4662 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(210, 218, 250) }
```


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

```
.border{ border-color:rgb(210, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(210, 218,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9051, 70.7466, 100.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 218, 250) }
```

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

```
.background{ background-color: rgb(210,  
218, 250) }
```

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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