

Converting Colors

XYZ(81.0353, 75.7465,
163.2968)

Have a look what the booklet for
XYZ(81.0353, 75.7465, 163.2968)
contains.

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Color

**XYZ(69.6997, 71.0644,
104.6510)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DAFF
RGB	210, 218, 255
RGB Percent	82%, 85%, 100%
CMY	0.1765, 0.1451, 0.0000
CMYK	0.18, 0.15, 0.00, 0.00
HSL	229°, 100%, 91%
HSV	229°, 18%, 100%
XYZ	69.6997, 71.0644, 104.6510
YIQ	219.8260, -16.6450, 9.8110

Conversions

Conversions Part 2

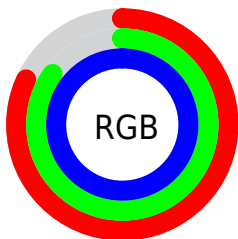
Format	Color
R _Y B	210, 217, 255
Decimal	13818623
CIE Lab	87.52, 4.70, -18.90
CIE LCh	88, 19.473, 283.954
Yxy	71.0644, 0.2840, 0.2896
Android (android.graphics.Color)	4292008703 (0xFFD2DAFF)
YUV	219.8260, 17.3408, -8.6174
Hunter-Lab	84.2997, 0.0608, -14.5938

Details

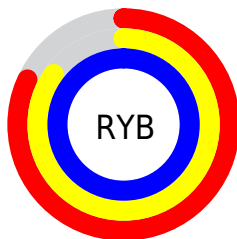
The XYZ color **69.6997, 71.0644, 104.6510** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.1333, 92.4334, 74.2761**, and the grayscale version is **67.7991, 71.3299, 77.6783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8078, 37.2402, 58.6742** is the 20% darker color. If you saturate the color by 10%, you get **57.9130, 57.4230, 102.6391**, and if you desaturate by 10%, it is **83.3348, 86.6832, 106.9471**.

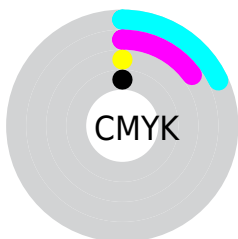
Distribution



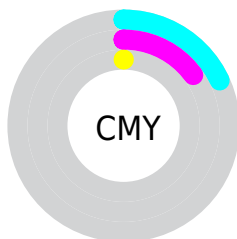
- Red (82%)
- Green (85%)
- Blue (100%)



- Red (82%)
- Yellow (85%)
- Blue (100%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6997, 71.0644, 104.6510 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 69.6997, 71.0644, 104.6510 by changing the saturation by 10% instead.

■ 69.6997, 71.0644,
104.6510

■ 69.6997, 71.0644,
104.6510

448.7778,
464.2785, 596.3771

■ 51.5605, 52.3948,
79.5520

117.8090,
120.7254, 169.6416

■ 36.8777, 37.3198,
58.8258

148.5098,
152.4856, 210.3702

■ 25.2861, 25.4552,
42.0538

184.1285,
189.3780, 257.1458

■ 16.4202, 16.4165,
28.8175

225.0304,
231.7872, 310.3869

■ 9.9147, 9.8194,
18.6984

271.5810,
280.0974, 370.5121

■ 5.4043, 5.2794,
11.2780

324.1455,

■ 2.5235, 2.4121,

334.6931, 437.9398

6.1376

383.0893,
395.9587, 513.0886

■ 0.9071, 0.8321,
2.8588

■ 0.0000, 0.0000,
1.0230

■ 69.6997, 71.0644,
104.6510

■ 69.6997, 71.0644,
104.6510

■ 57.9130, 57.4230,
102.6391

■ 83.3348, 86.6832,
106.9471

■ 47.8885, 45.6710,
100.8991

95.0500, 100.0000,
108.9000

■ 39.5419, 35.7266,
99.4196

■ 32.7797, 27.4983,
98.1878

■ 27.4986, 20.8867,
97.1899

■ 23.5832, 15.7813,
96.4109

■ 20.8994, 12.0573,
95.8335

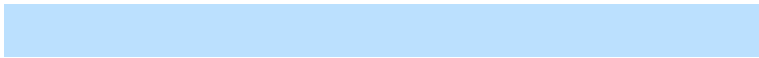
■ 19.2779, 9.5642,
95.4378

■ 19.0017, 9.1235,
95.3672

Harmonies

Analogous

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



65.1296, 71.0644, 104.3587



69.6997, 71.0644, 104.6510



73.8705, 71.0644, 97.0793

Triad

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



69.6997, 71.0644, 104.6510



74.1130, 71.0644, 61.0956



59.3972, 71.0644, 70.5856

Complementary

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



69.6997, 71.0644, 104.6510



86.1333, 92.4334, 74.2761

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.



61.5905, 71.0644, 60.5390



69.6997, 71.0644, 104.6510



70.0185, 71.0644, 55.4998

Square

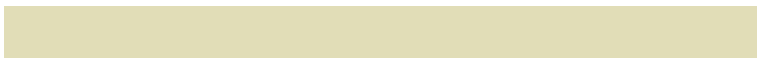
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6997, 71.0644, 104.6510



76.4957, 71.0644, 71.4287



65.4343, 71.0644, 55.3083



59.3205, 71.0644, 83.6468

Rectangle

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



69.6997, 71.0644, 104.6510



75.8055, 71.0644, 89.0390



65.4343, 71.0644, 55.3083



59.9067, 71.0644, 66.7806

Sweetspot

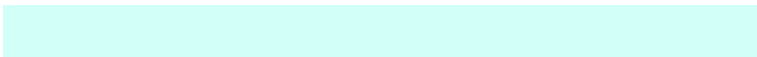
The Sweet Spot groups the original color and five complimentary colors.



69.7017, 71.0672, 104.6514



87.2604, 91.1547, 107.6032



79.0890, 91.9220, 101.3682



18.4514, 19.2537, 22.9938



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.



69.7017, 71.0672, 104.6514



65.5462, 66.2752, 103.9455



71.9157, 69.2019, 104.1747



17.2642, 17.8999, 22.7951



10.0039, 4.9173, 49.8565



1.0419, 0.6145, 4.8770

Inverse Universe

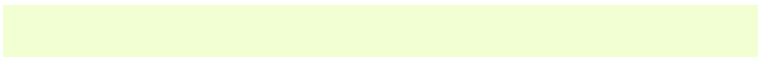
The Inverse Universe completely reimagines the original color for something new.



76.9427, 72.4166, 76.2554



73.9862, 67.9452, 70.8256



83.5838, 94.8302, 74.8731



18.1412, 18.0398, 19.3609



21.8377, 11.2244, 2.5298



2.1605, 1.1066, 0.4267

Previews

White Background



This preview shows how the XYZ color 69.6997, 71.0644, 104.6510 looks on a white background.

Color Contrast Check

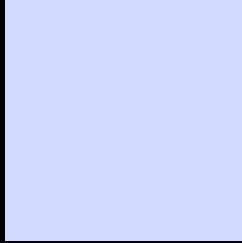
Large Text (above 18pt) WCAG AA × Fail

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 69.6997, 71.0644, 104.6510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

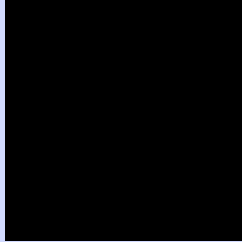
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6997, 71.0644, 104.6510

Background



This preview shows how black text looks on a background with the XYZ color 69.6997, 71.0644, 104.6510.

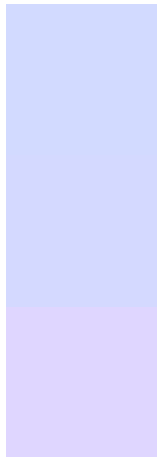


This preview shows how white text looks on a background with the XYZ color 69.6997, 71.0644,

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

69.6997, 71.0644, 104.6510

Protanopia

70.0142, 70.8428, 104.5916

Deuteranopia

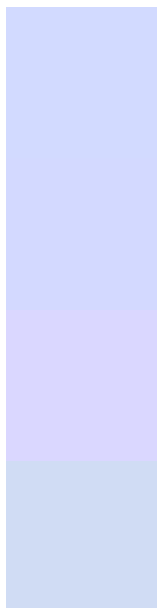
72.5280, 71.0011, 104.4897



Tritanopia

67.0212, 71.1513, 91.0901

Trichromacy



Original Color

69.6997, 71.0644, 104.6510

Protanomaly

69.7268, 70.6946, 104.5782

Deuteranomaly

71.2639, 70.7263, 104.5033

Tritanomaly

67.9348, 71.1279, 95.7365

Monochromacy



Original Color

69.6997, 71.0644, 104.6510

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.3584, 71.1452, 87.2203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6997, 71.0644, 104.6510 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 218, 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(210, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.6997, 71.0644, 104.6510 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, 255) }
```


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

```
.border{ border-color:rgb(210, 218, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6997, 71.0644, 104.6510 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, 255) }
```

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

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