

Converting Colors

XYZ(69.6850, 71.6643,
104.7675)

Have a look what the booklet for
XYZ(69.6850, 71.6643, 104.7675)
contains.

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Color

**XYZ(69.9377, 71.9617,
104.8116)**

Conversions

Conversions Part 1

Format	Color
Hex	D1DCFF
RGB	209, 220, 255
RGB Percent	82%, 86%, 100%
CMY	0.1804, 0.1372, 0.0000
CMYK	0.18, 0.14, 0.00, 0.00
HSL	226°, 100%, 91%
HSV	226°, 18%, 100%
XYZ	69.9377, 71.9617, 104.8116
YIQ	220.7010, -17.7910, 8.5530

Conversions

Conversions Part 2

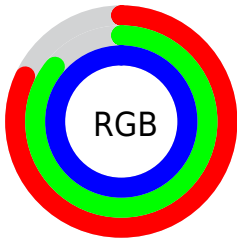
Format	Color
R _{YB}	209, 218, 255
Decimal	13753599
CIE Lab	87.95, 3.34, -18.25
CIE LCh	88, 18.554, 280.366
Yxy	71.9617, 0.2835, 0.2917
Android (android.graphics.Color)	4291943679 (0xFFD1DCFF)
YUV	220.7010, 16.9094, -10.2618
Hunter-Lab	84.8302, -1.2898, -13.8743

Details

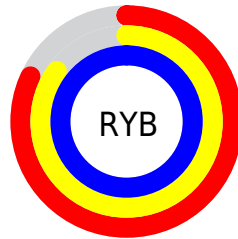
The XYZ color **69.9377, 71.9617, 104.8116** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.0990, 90.5637, 73.3187**, and the grayscale version is **68.4135, 71.9763, 78.3822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9746, 37.8575, 58.7845** is the 20% darker color. If you saturate the color by 10%, you get **58.4927, 58.9379, 102.9010**, and if you desaturate by 10%, it is **83.1323, 86.7683, 106.9742**.

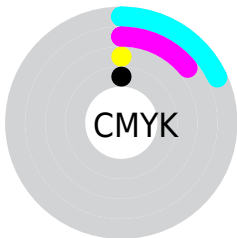
Distribution



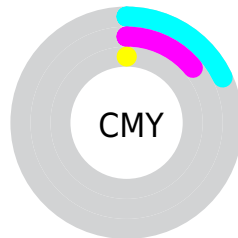
- Red (82%)
- Green (86%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9377, 71.9617, 104.8116 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 69.9377, 71.9617, 104.8116 by changing the saturation by 10% instead.

■ 69.9377, 71.9617,
104.8116

■ 69.9377, 71.9617,
104.8116

449.6011,
467.4083, 596.8893

■ 51.7552, 53.1274,
79.6858

118.1467,
122.0021, 169.8632

■ 37.0334, 37.9045,
58.9351

148.9038,
153.9769, 210.6260

■ 25.4072, 25.9086,
42.1412

184.5832,
191.1008, 257.4382

■ 16.5110, 16.7552,
28.8855

225.5501,
233.7580, 310.7184

■ 9.9796, 10.0601,
18.7494

272.1700,
282.3329, 370.8851

■ 5.4476, 5.4389,
11.3144

324.8083,

■ 2.5496, 2.5070,

337.2100, 438.3567

6.1619

383.8302,
398.7737, 513.5520

■ 0.9204, 0.8801,
2.8734

■ 0.0000, 0.0000,
1.0303

■ 69.9377, 71.9617,
104.8116

■ 69.9377, 71.9617,
104.8116

■ 58.4927, 58.9379,
102.9010

■ 83.1323, 86.7683,
106.9742

■ 48.7163, 47.6199,
101.2317

95.0500, 100.0000,
108.9000

■ 40.5301, 37.9373,
99.7942

■ 33.8466, 29.8118,
98.5781

■ 28.5697, 23.1578,
97.5719

■ 24.5912, 17.8812,
96.7631

■ 21.7861, 13.8754,
96.1377

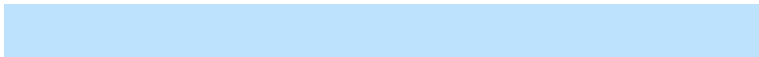
■ 19.9914, 11.0099,
95.6792

■ 19.7184, 10.5567,
95.6061

Harmonies

Analogous

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



65.5819, 71.9617, 103.5809



69.9377, 71.9617, 104.8116



74.0495, 71.9617, 98.3959

Triad

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



69.9377, 71.9617, 104.8116



75.0778, 71.9617, 63.6267



60.7027, 71.9617, 70.4585

Complementary

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



69.9377, 71.9617, 104.8116



85.0990, 90.5637, 73.3187

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.



63.0406, 71.9617, 61.2371



69.9377, 71.9617, 104.8116



71.2924, 71.9617, 57.5967

Square

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



69.9377, 71.9617, 104.8116



77.1007, 71.9617, 74.0566



66.8800, 71.9617, 56.7717



60.3751, 71.9617, 82.8146

Rectangle

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



69.9377, 71.9617, 104.8116



76.0519, 71.9617, 91.0129



66.8800, 71.9617, 56.7717



61.2746, 71.9617, 66.9271

Sweetspot

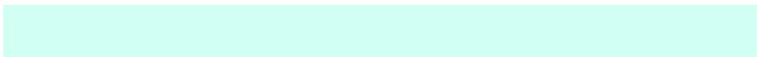
The Sweet Spot groups the original color and five complimentary colors.



69.9397, 71.9646, 104.8121



87.4970, 91.6278, 107.6821



78.3086, 91.5771, 98.7398



18.5087, 19.3683, 23.0129



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.



69.9397, 71.9646, 104.8121



65.1998, 66.5948, 104.0254



70.5185, 68.1163, 104.0388



17.3557, 18.0830, 22.8256



10.3986, 5.7067, 49.9880



1.0927, 0.7160, 4.8939

Inverse Universe

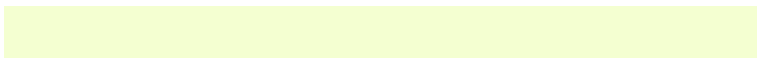
The Inverse Universe completely reimagines the original color for something new.



76.9600, 72.0298, 77.5603



73.5643, 66.8304, 71.5205



84.4041, 95.2675, 74.2632



18.1874, 18.0583, 19.6042



22.0369, 11.3041, 3.5789



2.1861, 1.1168, 0.5616

Previews

White Background



This preview shows how the XYZ color 69.9377, 71.9617, 104.8116 looks on a white background.

Color Contrast Check

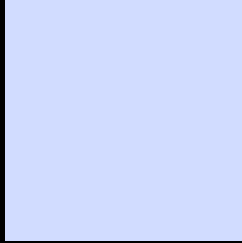
Large Text (above 18pt) WCAG AA × Fail

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 69.9377, 71.9617, 104.8116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

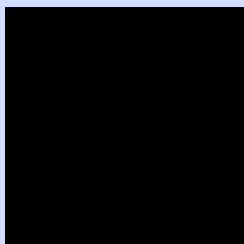
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9377, 71.9617, 104.8116

Background



This preview shows how black text looks on a background with the XYZ color 69.9377, 71.9617, 104.8116.

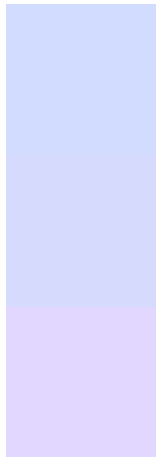


This preview shows how white text looks on a background with the XYZ color 69.9377, 71.9617,

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

69.9377, 71.9617, 104.8116

Protanopia

70.9525, 72.1149, 103.9459

Deuteranopia

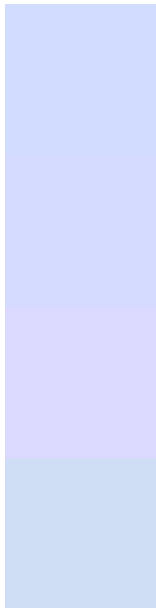
73.4018, 71.8284, 104.6033



Tritanopia

67.5695, 72.1884, 92.8105

Trichromacy



Original Color

69.9377, 71.9617, 104.8116

Protanomaly

70.3723, 71.8158, 103.9188

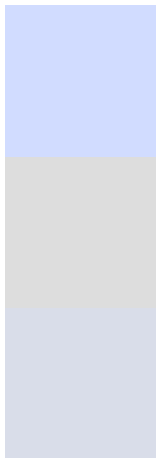
Deuteranomaly

72.0763, 71.9058, 104.6881

Tritanomaly

68.3348, 72.1005, 96.7014

Monochromacy



Original Color

69.9377, 71.9617, 104.8116

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.1797, 72.3478, 87.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9377, 71.9617, 104.8116 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(209, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 220, 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(209, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9377, 71.9617, 104.8116 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(209, 220, 255) }
```


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

```
.border{ border-color:rgb(209, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9377, 71.9617, 104.8116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 220, 255) }
```

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

```
.background{ background-color: rgb(209,  
220, 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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