

Converting Colors

XYZ(69.8446, 71.6377,
109.2423)

Have a look what the booklet for
XYZ(69.8446, 71.6377, 109.2423)
contains.

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Color

**XYZ(69.0968, 71.5282,
104.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDCFF
RGB	206, 220, 255
RGB Percent	81%, 86%, 100%
CMY	0.1921, 0.1372, 0.0000
CMYK	0.19, 0.14, 0.00, 0.00
HSL	223°, 100%, 90%
HSV	223°, 19%, 100%
XYZ	69.0968, 71.5282, 104.7723
YIQ	219.8040, -19.5790, 7.9170

Conversions

Conversions Part 2

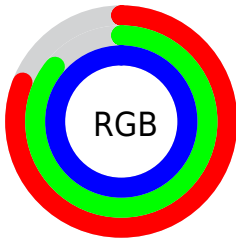
Format	Color
R _Y B	206, 217, 255
Decimal	13556991
CIE Lab	87.74, 2.42, -18.59
CIE LCh	88, 18.744, 277.429
Yxy	71.5282, 0.2816, 0.2915
Android (android.graphics.Color)	4291747071 (0xFFCEDCFF)
YUV	219.8040, 17.3516, -12.1061
Hunter-Lab	84.5743, -2.1715, -14.2475

Details

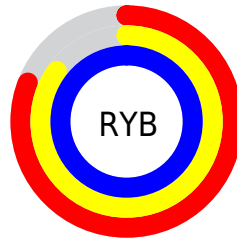
The XYZ color **69.0968, 71.5282, 104.7723** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8356, 88.6258, 71.0821**, and the grayscale version is **67.7852, 71.3153, 77.6624**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4107, 37.5668, 58.7581** is the 20% darker color. If you saturate the color by 10%, you get **58.0613, 59.1272, 102.9603**, and if you desaturate by 10%, it is **81.8054, 85.5685, 106.8125**.

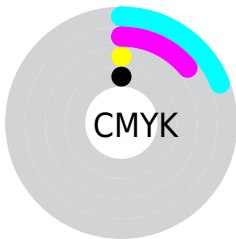
Distribution



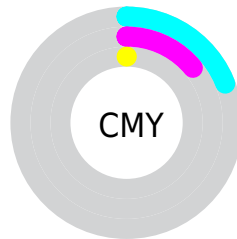
- Red (81%)
- Green (86%)
- Blue (100%)



- Red (81%)
- Yellow (85%)
- Blue (100%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0968, 71.5282, 104.7723 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 69.0968, 71.5282, 104.7723 by changing the saturation by 10% instead.

■ 69.0968, 71.5282,
104.7723

■ 69.0968, 71.5282,
104.7723

446.6883,
465.8978, 596.7640

■ 51.0675, 52.7734,
79.6530

116.9531,
121.3855, 169.8090

■ 36.4836, 37.6219,
58.9084

147.5109,
153.2568, 210.5634

■ 24.9797, 25.6893,
42.1198

182.9754,
190.2690, 257.3667

■ 16.1906, 16.5914,
28.8689

223.7122,
232.8065, 310.6373

■ 9.7508, 9.9436,
18.7369

270.0865,
281.2538, 370.7938

■ 5.2951, 5.3616,
11.3055

322.4637,

■ 2.4579, 2.4609,

335.9951, 438.2547

6.1559

381.2092,
397.4150, 513.4386

■ 0.8741, 0.8570,
2.8698

■ 0.0000, 0.0000,
1.0285

■ 69.0968, 71.5282,
104.7723

■ 69.0968, 71.5282,
104.7723

■ 58.0613, 59.1272,
102.9603

■ 81.8054, 85.5685,
106.8125

■ 48.6212, 48.2951,
101.3670

95.0500, 100.0000,
108.9000

■ 40.7011, 38.9691,
99.9844

■ 34.2168, 31.0783,
98.8030

■ 29.0756, 24.5458,
97.8131

■ 25.1731, 19.2864,
97.0036

■ 22.3873, 15.2037,
96.3624

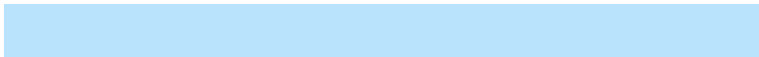
■ 20.5440, 12.1709,
95.8742

■ 20.4241, 11.9682,
95.8414

Harmonies

Analogous

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



64.7563, 71.5282, 102.7503



69.0968, 71.5282, 104.7723



73.3151, 71.5282, 98.9891

Triad

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



69.0968, 71.5282, 104.7723



75.0032, 71.5282, 63.9283



60.3924, 71.5282, 68.8568

Complementary

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



69.0968, 71.5282, 104.7723



83.8356, 88.6258, 71.0821

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.



62.9205, 71.5282, 60.0113



69.0968, 71.5282, 104.7723



71.3201, 71.5282, 57.3896

Square

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



69.0968, 71.5282, 104.7723



76.8205, 71.5282, 74.7590



66.8860, 71.5282, 56.0380



59.8551, 71.5282, 81.0909

Rectangle

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



69.0968, 71.5282, 104.7723



75.4478, 71.5282, 91.8213



66.8860, 71.5282, 56.0380



61.0320, 71.5282, 65.4301

Sweetspot

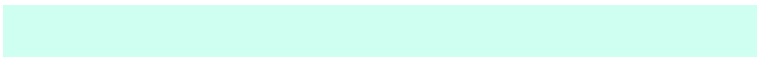
The Sweet Spot groups the original color and five complimentary colors.



69.0988, 71.5310, 104.7727



86.2558, 90.4377, 107.5178



76.9873, 90.9514, 96.1703



18.2656, 19.1426, 22.9821



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.



69.0988, 71.5310, 104.7727



64.7281, 66.6468, 104.0603



68.3824, 65.9327, 103.7299



17.4257, 18.2230, 22.8489



10.7813, 6.4722, 50.1156



1.1382, 0.8070, 4.9091

Inverse Universe

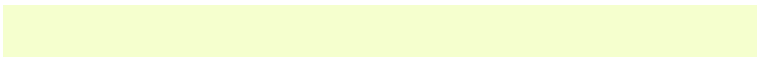
The Inverse Universe completely reimagines the original color for something new.



76.2308, 70.5715, 77.3172



73.0832, 65.7076, 71.8552



84.6271, 95.4249, 72.3528



18.2228, 18.0724, 19.7903



22.2301, 11.3813, 4.5962



2.2091, 1.1260, 0.6826

Previews

White Background



This preview shows how the XYZ color 69.0968, 71.5282, 104.7723 looks on a white background.

Color Contrast Check

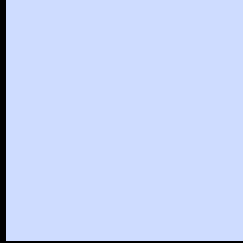
Large Text (above 18pt) WCAG AA × Fail

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 69.0968, 71.5282, 104.7723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

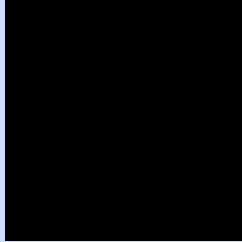
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.0968, 71.5282, 104.7723

Background



This preview shows how black text looks on a background with the XYZ color 69.0968, 71.5282, 104.7723.



This preview shows how white text looks on a background with the XYZ color 69.0968, 71.5282,

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

69.0968, 71.5282, 104.7723

Protanopia

70.4014, 71.4447, 103.8456

Deuteranopia

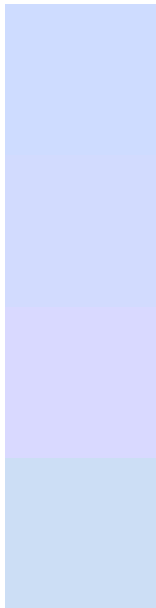
72.7819, 71.5089, 104.5743



Tritanopia

66.7445, 71.7631, 92.7719

Trichromacy



Original Color

69.0968, 71.5282, 104.7723

Protanomaly

69.7993, 71.5204, 103.8919

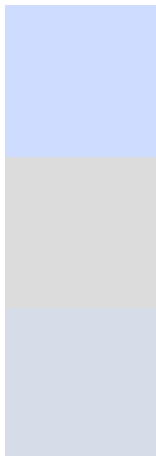
Deuteranomaly

71.4781, 71.5974, 104.6601

Tritanomaly

67.5045, 71.6725, 96.6625

Monochromacy



Original Color

69.0968, 71.5282, 104.7723

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.3255, 71.5167, 87.2938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0968, 71.5282, 104.7723 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(206, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.0968, 71.5282, 104.7723 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(206, 220, 255) }
```


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

```
.border{ border-color:rgb(206, 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(206, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0968, 71.5282, 104.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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