

# Converting Colors

XYZ(68.4919, 71.8868,  
100.0779)

Have a look what the booklet for  
XYZ(68.4919, 71.8868, 100.0779)  
contains.

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# Color

**XYZ(68.4089, 71.6743,  
99.8515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEDDF9
RGB	206, 221, 249
RGB Percent	81%, 87%, 98%
CMY	0.1921, 0.1333, 0.0235
CMYK	0.17, 0.11, 0.00, 0.02
HSL	219°, 78%, 89%
HSV	219°, 17%, 98%
XYZ	68.4089, 71.6743, 99.8515
YIQ	219.7070, -17.9280, 5.5280

# Conversions

## Conversions Part 2

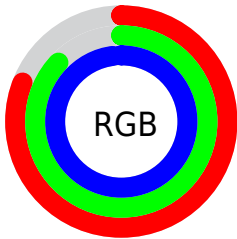
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 217, 249
Decimal	13557241
CIE Lab	87.81, 0.62, -15.32
CIE LCh	88, 15.337, 272.325
Yxy	71.6743, 0.2851, 0.2987
Android (android.graphics.Color)	4291747321 (0xFFCEDDF9)
YUV	219.7070, 14.4414, -12.0210
Hunter-Lab	84.6607, -3.9217, -10.6660

# Details

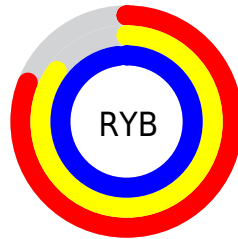
The XYZ color **68.4089, 71.6743, 99.8515** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.6307, 83.4413, 70.3028**, and the grayscale version is **67.7366, 71.2642, 77.6067**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0244, 37.7020, 55.8306** is the 20% darker color. If you saturate the color by 10%, you get **57.9608, 60.2392, 98.1961**, and if you desaturate by 10%, it is **80.3697, 84.5066, 101.6991**.

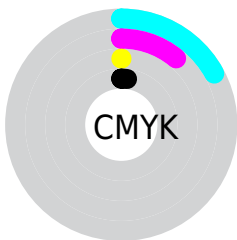
# Distribution



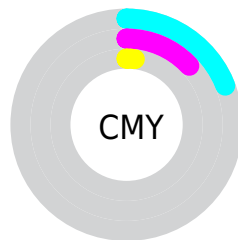
- Red (81%)
- Green (87%)
- Blue (98%)



- Red (81%)
- Yellow (85%)
- Blue (98%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (13%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4089, 71.6743, 99.8515 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 68.4089, 71.6743, 99.8515 by changing the saturation by 10% instead.



■ 68.4089, 71.6743,  
99.8515

■ 68.4089, 71.6743,  
99.8515

444.2975,  
466.4072, 580.9591

■ 50.5054, 52.8927,  
75.5603

115.9756,  
121.5934, 163.0032

■ 36.0345, 37.7171,  
55.5676

146.3695,  
153.4996, 202.7008

■ 24.6311, 25.7632,  
39.4546

181.6575,  
190.5494, 248.3710

■ 15.9297, 16.6466,  
26.8031

222.2051,  
233.1273, 300.4322

■ 9.5649, 9.9828,  
17.1942

268.3775,  
281.6176, 359.3031

■ 5.1715, 5.3876,  
10.2097

320.5401,

■ 2.3840, 2.4764,

336.4048, 425.4022

5.4308

379.0583,  
397.8732, 499.1480

■ 0.8371, 0.8648,  
2.4390

■ 0.0000, 0.0000,  
0.8076

■ 68.4089, 71.6743,  
99.8515

■ 68.4089, 71.6743,  
99.8515

■ 57.9608, 60.2392,  
98.1961

■ 80.3697, 84.5066,  
101.6991

■ 48.9559, 50.1425,  
96.7219

■ 93.6002, 98.6218,  
103.7263

■ 41.3286, 41.3343,  
95.4237

■ 94.0991, 99.6196,  
103.8926

■ 35.0054, 33.7576,  
94.2946

■ 29.9053, 27.3507,  
93.3267

■ 25.9378, 22.0457,  
92.5118

■ 22.9974, 17.7658,  
91.8407

■ 20.9515, 14.4181,  
91.3024

■ 20.4974, 13.6362,  
91.1754

# Harmonies

## Analogous

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



64.9223, 71.6743, 97.1901



68.4089, 71.6743, 99.8515



71.9391, 71.6743, 96.2509

# Triad

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



68.4089, 71.6743, 99.8515



74.2167, 71.6743, 67.7976



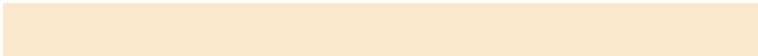
62.1071, 71.6743, 69.0894

# Complementary

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



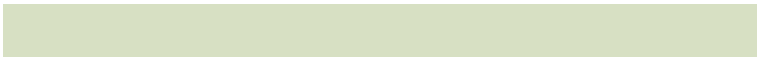
68.4089, 71.6743, 99.8515



79.6307, 83.4413, 70.3028

# 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.



64.4468, 71.6743, 62.2864



68.4089, 71.6743, 99.8515



71.4298, 71.6743, 61.5886

# Square

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



68.4089, 71.6743, 99.8515



75.3659, 71.6743, 77.2299



67.8404, 71.6743, 59.6632



61.3620, 71.6743, 78.8580



# Rectangle

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



68.4089, 71.6743, 99.8515



73.8204, 71.6743, 90.9557



67.8404, 71.6743, 59.6632



62.7289, 71.6743, 66.4108

# Sweetspot

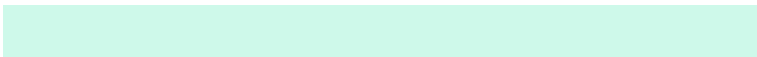
The Sweet Spot groups the original color and five complimentary colors.



68.4111, 71.6772, 99.8531



87.9225, 92.4788, 107.8239



74.1747, 86.8121, 90.6525



18.6118, 19.5746, 23.0473



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.



68.4111, 71.6772, 99.8531



67.8869, 70.9567, 104.7257



66.4529, 65.0477, 98.6767



16.7783, 17.6335, 21.9046



11.0915, 7.5387, 48.8441



1.1224, 0.8885, 4.5555



# Inverse Universe

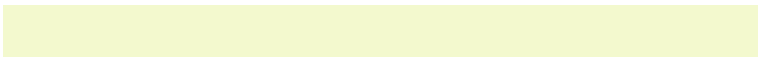
The Inverse Universe completely reimagines the original color for something new.



74.1911, 69.5044, 77.9154



75.1677, 68.4178, 77.0473



81.8245, 91.1836, 71.6815



17.4946, 17.3252, 19.1945



21.8905, 11.1719, 6.1319

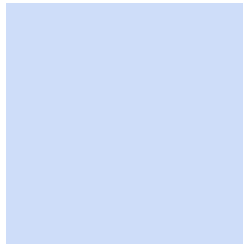


2.0755, 1.0539, 0.8208



# Previews

## White Background



This preview shows how the XYZ color 68.4089, 71.6743, 99.8515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

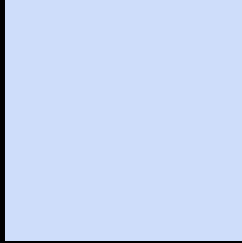
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4089, 71.6743, 99.8515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

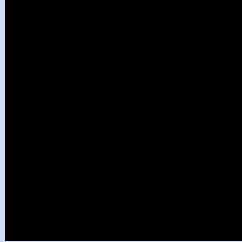
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

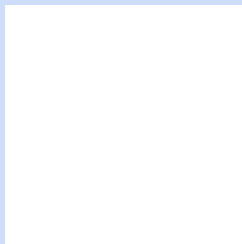
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.4089, 71.6743, 99.8515

## Background



This preview shows how black text looks on a background with the XYZ color 68.4089, 71.6743, 99.8515.



This preview shows how white text looks on a background with the XYZ color 68.4089, 71.6743,



# 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

68.4089, 71.6743, 99.8515

### Protanopia

70.1788, 71.4571, 98.0895

### Deuteranopia

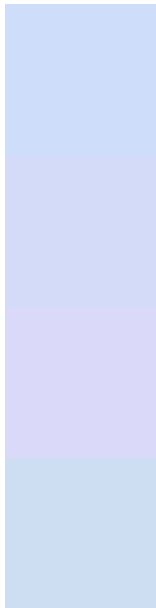
72.9804, 71.3262, 100.3633



## Tritanopia

66.7513, 71.3712, 92.6959

# Trichromacy



## Original Color

68.4089, 71.6743, 99.8515

## Protanomaly

69.4262, 71.4374, 98.9366

## Deuteranomaly

71.2816, 71.5879, 100.5034

## Tritanomaly

67.4758, 71.6928, 95.0758

# Monochromacy



## Original Color

68.4089, 71.6743, 99.8515

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.0413, 71.4030, 85.7973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4089, 71.6743, 99.8515 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, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 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(206, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4089, 71.6743, 99.8515 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, 221, 249) }
```



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

```
.border{ border-color:rgb(206, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 221, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 221, 249); box-shadow:4px 4px 4px 4px rgb(206, 221, 249) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4089, 71.6743, 99.8515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 249) }
```

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

```
.background{ background-color: rgb(206,  
221, 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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