

# Converting Colors

XYZ(69.6660, 64.0658, 99.7787)

Have a look what the booklet for  
XYZ(69.6660, 64.0658, 99.7787)  
contains.

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# Color

**XYZ(69.8309, 64.3059,  
99.9986)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4C7FB
RGB	228, 199, 251
RGB Percent	89%, 78%, 98%
CMY	0.1059, 0.2196, 0.0157
CMYK	0.09, 0.21, 0.00, 0.02
HSL	273°, 87%, 88%
HSV	273°, 21%, 98%
XYZ	69.8309, 64.3059, 99.9986
YIQ	213.5990, 0.5920, 22.3200

# Conversions

## Conversions Part 2

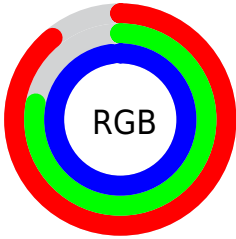
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 199, 251
Decimal	14993403
CIE Lab	84.12, 19.60, -21.78
CIE LCh	84, 29.296, 311.985
Yxy	64.3059, 0.2983, 0.2747
Android (android.graphics.Color)	4293183483 (0xFFE4C7FB)
YUV	213.5990, 18.4387, 12.6297
Hunter-Lab	80.1910, 15.1050, -17.8013

# Details

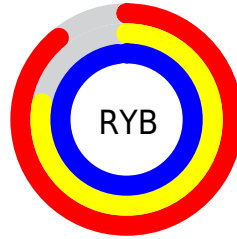
The XYZ color **69.8309, 64.3059, 99.9986** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.9325, 88.6492, 67.1976**, and the grayscale version is **63.5287, 66.8372, 72.7857**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8763, 32.9165, 55.4489** is the 20% darker color. If you saturate the color by 10%, you get **61.1159, 51.9368, 98.0715**, and if you desaturate by 10%, it is **79.7286, 78.7019, 102.2566**.

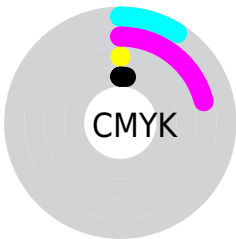
# Distribution



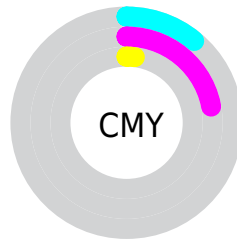
- Red (89%)
- Green (78%)
- Blue (98%)



- Red (89%)
- Yellow (78%)
- Blue (98%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (22%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8309, 64.3059, 99.9986 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 69.8309, 64.3059, 99.9986 by changing the saturation by 10% instead.



69.8309, 64.3059,  
99.9986

69.8309, 64.3059,  
99.9986

449.2317,  
440.2935, 581.4348

51.6678, 46.8985,  
75.6825

117.9952,  
111.0514, 163.2071

36.9635, 32.9554,  
55.6671

148.7270,  
141.1582, 202.9366

25.3528, 22.0923,  
39.5339

184.3792,  
176.2670, 248.6410

16.4702, 13.9247,  
26.8643

225.3170,  
216.7620, 300.7388

9.9505, 8.0683,  
17.2398

271.9058,  
263.0278, 359.6485

5.4281, 4.1387,  
10.2418

324.5109,

2.5379, 1.7515,

315.4487, 425.7887

5.4519

383.4978,  
374.4092, 499.5780

■ 0.9144, 0.4566,  
2.4514

■ 0.0000, 0.0000,  
0.8143

■ 69.8309, 64.3059,  
99.9986

■ 69.8309, 64.3059,  
99.9986

■ 61.1159, 51.9368,  
98.0715

■ 79.7286, 78.7019,  
102.2566

■ 53.5266, 41.4911,  
96.4552

■ 90.8505, 95.2057,  
104.8560

■ 47.0103, 32.8680,  
95.1342

■ 94.4128, 99.7451,  
105.5444

■ 41.5068, 25.9541,  
94.0898

■ 36.9495, 20.6229,  
93.3010

■ 33.2624, 16.7296,  
92.7438

■ 30.3553, 14.1011,  
92.3897

■ 28.2240, 12.5385,  
92.2004

# Harmonies

## Analogous

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



63.7421, 64.3059, 110.9975



69.8309, 64.3059, 99.9986



73.7382, 64.3059, 81.6314

# Triad

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



69.8309, 64.3059, 99.9986



65.0516, 64.3059, 41.2951



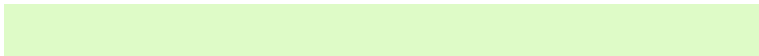
49.7357, 64.3059, 77.6845

# Complementary

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



69.8309, 64.3059, 99.9986



74.9325, 88.6492, 67.1976

# 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.



50.0317, 64.3059, 59.5622



69.8309, 64.3059, 99.9986



58.5724, 64.3059, 40.6163

# Square

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



69.8309, 64.3059, 99.9986



70.8476, 64.3059, 48.7770



53.1669, 64.3059, 46.7228



52.3277, 64.3059, 96.6734



# Rectangle

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



69.8309, 64.3059, 99.9986



74.4234, 64.3059, 68.7907



53.1669, 64.3059, 46.7228



49.5061, 64.3059, 71.2602

# Sweetspot

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



69.8329, 64.3086, 100.0000



87.9157, 89.3626, 107.2228



67.1959, 71.5650, 101.5396



18.6574, 18.8899, 22.9127



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.



69.8329, 64.3086, 100.0000



68.3514, 60.8894, 102.7581



77.2144, 68.1609, 98.2206



17.2089, 17.1203, 21.7828



15.0058, 6.6785, 48.4717



1.5117, 0.6814, 4.4950



# Inverse Universe

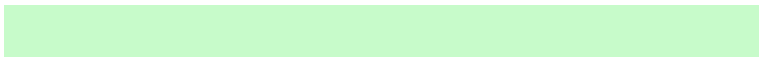
The Inverse Universe completely reimagines the original color for something new.



73.3941, 66.6328, 78.1035



72.7707, 63.7689, 75.8010



68.6661, 85.3835, 68.4938



17.5636, 17.3528, 19.5576



22.4914, 11.4123, 9.2959



2.1354, 1.0779, 1.1367



# Previews

## White Background



This preview shows how the XYZ color 69.8309, 64.3059, 99.9986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

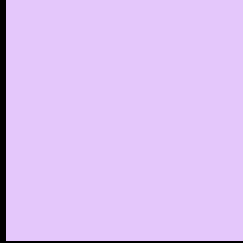
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8309, 64.3059, 99.9986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

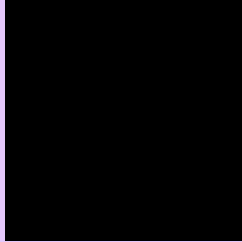
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.8309, 64.3059, 99.9986

## Background



This preview shows how black text looks on a background with the XYZ color 69.8309, 64.3059, 99.9986.



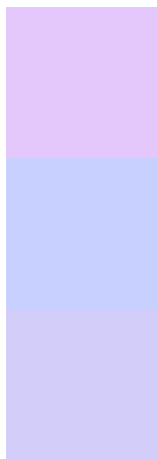
This preview shows how white text looks on a background with the XYZ color 69.8309, 64.3059,



# 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

69.8309, 64.3059, 99.9986

### Protanopia

64.1591, 64.4739, 103.6709

### Deuteranopia

65.9506, 64.4137, 99.3996



## Tritanopia

65.0754, 64.0942, 77.3482

# Trichromacy



## Original Color

69.8309, 64.3059, 99.9986

## Protanomaly

66.2991, 64.5200, 102.7252

## Deuteranomaly

67.2265, 64.3657, 99.3231

## Tritanomaly

66.7374, 64.0748, 85.1942

# Monochromacy



## Original Color

69.8309, 64.3059, 99.9986

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

65.8790, 66.2070, 81.9801

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8309, 64.3059, 99.9986 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(228, 199, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 199, 251)  
}
```

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(228, 199, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 199, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8309, 64.3059, 99.9986 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(228, 199, 251) }
```



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

```
.border{ border-color:rgb(228, 199, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 199, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 199, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 199, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 199,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8309, 64.3059, 99.9986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 199, 251) }
```

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

```
.background{ background-color: rgb(228,  
199, 251) }
```

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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