

# Converting Colors

XYZ(69.4876, 68.1930, 98.8387)

Have a look what the booklet for  
XYZ(69.4876, 68.1930, 98.8387)  
contains.

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# Color

**XYZ(69.3589, 67.9928,  
99.0908)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBD2F9
RGB	219, 210, 249
RGB Percent	86%, 82%, 98%
CMY	0.1412, 0.1765, 0.0235
CMYK	0.12, 0.16, 0.00, 0.02
HSL	254°, 76%, 90%
HSV	254°, 16%, 98%
XYZ	69.3589, 67.9928, 99.0908
YIQ	217.1370, -7.1550, 14.0370

# Conversions

## Conversions Part 2

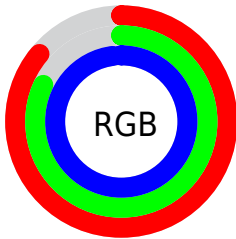
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 210, 249</a>
Decimal	<a href="#">14406393</a>
CIELab	<a href="#">86.00, 10.48, -17.95</a>
CIELCh	<a href="#">86, 20.785, 300.289</a>
Yxy	<a href="#">67.9928, 0.2933, 0.2876</a>
Android (android.graphics.Color)	<a href="#">4292596473 (0xFFDDBD2F9)</a>
YUV	<a href="#">217.1370, 15.7085, 1.6339</a>
Hunter-Lab	<a href="#">82.4577, 5.8433, -13.5293</a>

# Details

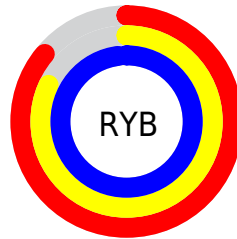
The XYZ color **69.3589, 67.9928, 99.0908** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.4460, 90.9315, 74.2348**, and the grayscale version is **65.9482, 69.3826, 75.5577**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8239, 35.5197, 55.3672** is the 20% darker color. If you saturate the color by 10%, you get **58.2486, 53.8397, 96.9456**, and if you desaturate by 10%, it is **82.0930, 84.4063, 101.5888**.

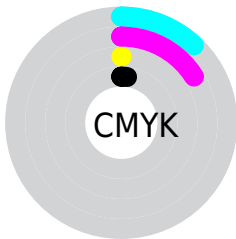
# Distribution



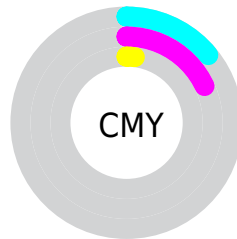
- Red (86%)
- Green (82%)
- Blue (98%)



- Red (86%)
- Yellow (82%)
- Blue (98%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (18%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3589, 67.9928, 99.0908 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 69.3589, 67.9928, 99.0908 by changing the saturation by 10% instead.



69.3589, 67.9928,  
99.0908

69.3589, 67.9928,  
99.0908

447.5974,  
453.4705, 578.4955

51.2818, 49.8919,  
74.9288

117.3253,  
116.3418, 161.9481

36.6548, 35.3275,  
55.0532

147.9453,  
147.3588, 201.4806

25.1128, 23.9153,  
39.0454

183.4769,  
183.4498, 246.9735

16.2903, 15.2708,  
26.4870

224.2856,  
224.9993, 298.8456

9.8220, 9.0096,  
16.9593

270.7366,  
272.3918, 357.5153

5.3424, 4.7475,  
10.0438

323.1953,

2.4864, 2.0999,

326.0115, 423.4011

5.3220

382.0271,  
386.2430, 496.9217

■ 0.8884, 0.6646,  
2.3754

■ 0.0000, 0.0000,  
0.7730

■ 69.3589, 67.9928,  
99.0908

■ 69.3589, 67.9928,  
99.0908

■ 58.2486, 53.8397,  
96.9456

■ 82.0930, 84.4063,  
101.5888

■ 48.6893, 41.8388,  
95.1331

■ 94.0991, 99.6196,  
103.8925

■ 40.6120, 31.8857,  
93.6376

■ 33.9397, 23.8636,  
92.4409

■ 28.5883, 17.6440,  
91.5224

■ 24.4640, 13.0824,  
90.8593

■ 21.4598, 10.0109,  
90.4248

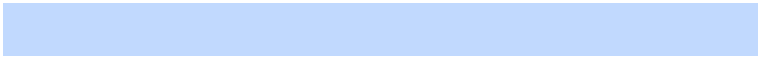
■ 19.4473, 8.2245,  
90.1861

■ 18.8122, 7.7228,  
90.1227

# Harmonies

## Analogous

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



64.6713, 67.9928, 103.5062



69.3589, 67.9928, 99.0908



72.9170, 67.9928, 87.8197

# Triad

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



69.3589, 67.9928, 99.0908



69.2751, 67.9928, 53.4943



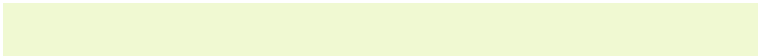
55.8862, 67.9928, 74.1649

# Complementary

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



69.3589, 67.9928, 99.0908



81.4460, 90.9315, 74.2348

# 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.



56.9869, 67.9928, 61.7698



69.3589, 67.9928, 99.0908



64.5790, 67.9928, 50.7636

# Square

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



69.3589, 67.9928, 99.0908



72.8670, 67.9928, 61.5671



60.1118, 67.9928, 53.6008



57.0294, 67.9928, 88.0765



# Rectangle

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



69.3589, 67.9928, 99.0908



74.0868, 67.9928, 78.5494



60.1118, 67.9928, 53.6008



56.0054, 67.9928, 69.6924

# Sweetspot

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



69.3610, 67.9956, 99.0923



87.5997, 90.3202, 107.4243



75.0017, 83.1877, 101.7274



18.5335, 19.0518, 22.9505



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.



69.3610, 67.9956, 99.0923



69.0863, 66.4915, 103.8006



75.3907, 71.1041, 99.3745



16.6577, 16.8362, 21.7570



10.1717, 4.1864, 48.2455



1.0307, 0.4334, 4.4725



# Inverse Universe

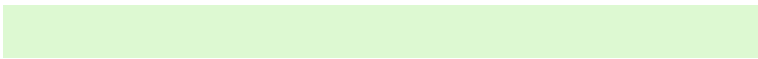
The Inverse Universe completely reimagines the original color for something new.



77.8439, 72.5271, 92.3374



79.7460, 72.1887, 95.1766



75.3447, 87.7861, 73.9493



17.8117, 17.4520, 20.8640



26.0353, 12.8298, 27.9579



2.4515, 1.2043, 2.8010



# Previews

## White Background



This preview shows how the XYZ color 69.3589, 67.9928, 99.0908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

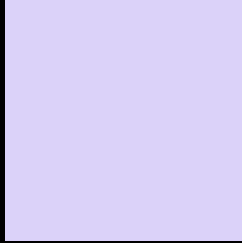
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3589, 67.9928, 99.0908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

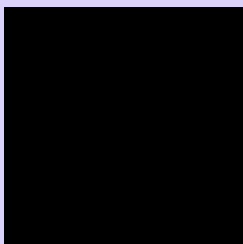
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.3589, 67.9928, 99.0908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3589, 67.9928, 99.0908.



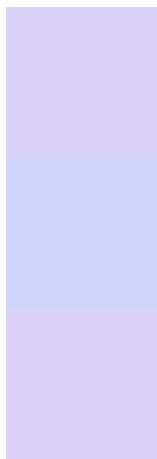
This preview shows how white text looks on a background with the XYZ color 69.3589, 67.9928,



# 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

69.3589, 67.9928, 99.0908

### Protanopia

67.2193, 67.9634, 100.8422

### Deuteranopia

69.6607, 68.1484, 99.1050



## Tritanopia

66.3961, 67.9006, 84.4696

# Trichromacy



## Original Color

69.3589, 67.9928, 99.0908

## Protanomaly

67.9502, 67.9861, 99.9838

## Deuteranomaly

69.6607, 68.1484, 99.1050

## Tritanomaly

67.4448, 67.9531, 89.6823

# Monochromacy



## Original Color

69.3589, 67.9928, 99.0908

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.1029, 68.6557, 83.8439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3589, 67.9928, 99.0908 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(219, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(219, 210, 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(219, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 210, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3589, 67.9928, 99.0908 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(219, 210, 249) }
```



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

```
.border{ border-color:rgb(219, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(219, 210,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3589, 67.9928, 99.0908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 210, 249) }
```

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

```
.background{ background-color: rgb(219,  
210, 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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