

# Converting Colors

XYZ(69.4094, 67.5680, 91.0439)

Have a look what the booklet for  
XYZ(69.4094, 67.5680, 91.0439)  
contains.

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# Color

**XYZ(69.1872, 67.3513,  
91.0149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D0EF
RGB	225, 208, 239
RGB Percent	88%, 82%, 94%
CMY	0.1176, 0.1843, 0.0627
CMYK	0.06, 0.13, 0.00, 0.06
HSL	273°, 49%, 88%
HSV	273°, 13%, 94%
XYZ	69.1872, 67.3513, 91.0149
YIQ	216.6170, 0.1810, 13.2450

# Conversions

## Conversions Part 2

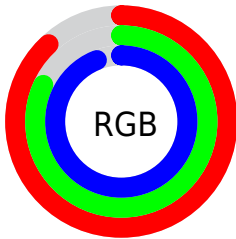
Format	Color
R <sub>Y</sub> B	225, 208, 239
Decimal	14799087
CIE Lab	85.68, 11.50, -13.09
CIE LCh	86, 17.421, 311.302
Yxy	67.3513, 0.3040, 0.2960
Android (android.graphics.Color)	4292989167 (0xFFE1D0EF)
YUV	216.6170, 11.0348, 7.3519
Hunter-Lab	82.0678, 6.8655, -8.3063

# Details

The XYZ color **69.1872, 67.3513, 91.0149** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.3783, 81.8184, 71.6556**, and the grayscale version is **65.6198, 69.0372, 75.1815**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6804, 35.0761, 49.6369** is the 20% darker color. If you saturate the color by 10%, you get **60.5346, 54.8840, 89.0655**, and if you desaturate by 10%, it is **78.9346, 81.6900, 93.2698**.

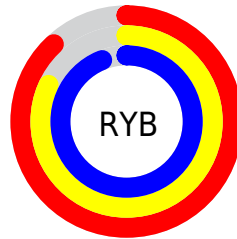
# Distribution



Red (88%)

Green (82%)

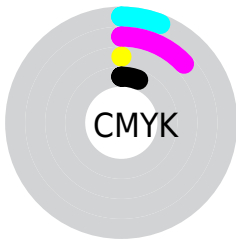
Blue (94%)



Red (88%)

Yellow (82%)

Blue (94%)

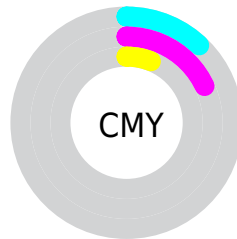


Cyan (6%)

Magenta (13%)

Yellow (0%)

Black (6%)



Cyan (12%)

Magenta (18%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1872, 67.3513, 91.0149 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 69.1872, 67.3513, 91.0149 by changing the saturation by 10% instead.



69.1872, 67.3513,  
91.0149

69.1872, 67.3513,  
91.0149

447.0020,  
451.1942, 551.9818

51.1414, 49.3702,  
68.2443

117.0815,  
115.4236, 150.6951

36.5426, 34.9132,  
49.6285

147.6607,  
146.2836, 188.4418

25.0256, 23.5960,  
34.7492

183.1484,  
182.2054, 232.0176

16.2250, 15.0342,  
23.1878

223.9100,  
223.5733, 281.8410

9.7753, 8.8434,  
14.5256

270.3108,  
270.7717, 338.3306

5.3114, 4.6392,  
8.3442

322.7161,

2.4677, 2.0372,

324.1851, 401.9049

4.2251

381.4914,  
384.1978, 472.9825

■ 0.8790, 0.6289,  
1.7496

■ 0.0000, 0.0000,  
0.3944

■ 69.1872, 67.3513,  
91.0149

■ 69.1872, 67.3513,  
91.0149

■ 60.5346, 54.8840,  
89.0655

■ 78.9346, 81.6900,  
93.2698

■ 52.9277, 44.1993,  
87.4041

■ 89.5538, 97.4519,  
95.7525

■ 46.3224, 35.2137,  
86.0178

■ 92.5802, 99.0121,  
95.8941

■ 40.6689, 27.8335,  
84.8913

■ 35.9124, 21.9558,  
84.0075

■ 31.9920, 17.4652,  
83.3473

■ 28.8378, 14.2286,  
82.8889

■ 26.3659, 12.0854,  
82.6055

■ 24.9489, 11.0618,  
82.4826

# Harmonies

## Analogous

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



65.5231, 67.3513, 96.9297



69.1872, 67.3513, 91.0149



71.5219, 67.3513, 80.5686

# Triad

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



69.1872, 67.3513, 91.0149



66.4940, 67.3513, 54.5136



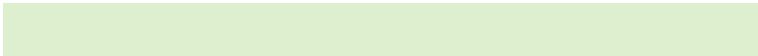
56.8176, 67.3513, 77.7026

# Complementary

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



69.1872, 67.3513, 91.0149



72.3783, 81.8184, 71.6556

# Split Complementary

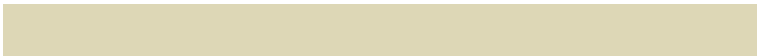
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.0534, 67.3513, 66.5462



69.1872, 67.3513, 91.0149



62.5310, 67.3513, 53.9168

# Square

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



69.1872, 67.3513, 91.0149



69.9232, 67.3513, 59.8301



59.1080, 67.3513, 58.1056



58.4501, 67.3513, 88.7310



# Rectangle

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



69.1872, 67.3513, 91.0149



71.9545, 67.3513, 72.8386



59.1080, 67.3513, 58.1056



56.6829, 67.3513, 73.8319

# Sweetspot

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



69.1892, 67.3542, 91.0164



90.2073, 92.8006, 107.7656



67.8403, 72.1353, 92.0103



19.1182, 19.5820, 23.0220



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.



69.1892, 67.3542, 91.0164



76.9297, 73.3455, 104.7102



73.5821, 69.6364, 90.4273



15.7258, 15.6559, 19.9147



13.9405, 6.1920, 45.5883



1.2742, 0.5741, 3.7979



# Inverse Universe

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



71.3396, 68.7394, 78.6185



79.9920, 75.3164, 87.1335



68.3941, 79.7498, 72.1350



16.0696, 15.8775, 17.9227



21.2298, 10.7644, 9.1269

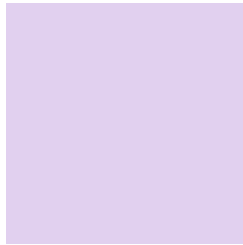


1.8156, 0.9153, 1.0199



# Previews

## White Background



This preview shows how the XYZ color 69.1872, 67.3513, 91.0149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

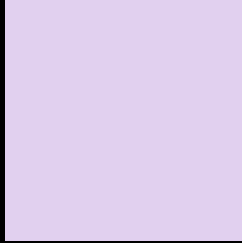
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.1872, 67.3513, 91.0149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

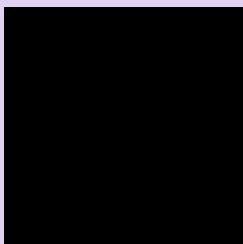
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.1872, 67.3513, 91.0149**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.1872, 67.3513, 91.0149.



This preview shows how white text looks on a background with the XYZ color 69.1872, 67.3513,



# 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

69.1872, 67.3513, 91.0149

### Protanopia

66.3996, 67.7009, 93.5724

### Deuteranopia

69.1209, 67.6802, 91.0819



## Tritanopia

67.3431, 67.3272, 82.1191

# Trichromacy



## Original Color

69.1872, 67.3513, 91.0149

## Protanomaly

67.1958, 67.3865, 92.6844

## Deuteranomaly

69.1209, 67.6802, 91.0819

## Tritanomaly

67.9647, 67.2177, 84.9935

# Monochromacy



## Original Color

69.1872, 67.3513, 91.0149

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.1524, 68.7450, 80.9640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.1872, 67.3513, 91.0149 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(225, 208, 239)` looks like.

```
.text, #text, p{  
    color:rgb(225, 208, 239)  
}
```

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(225, 208, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 208, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 69.1872, 67.3513, 91.0149 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(225, 208, 239) }
```



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

```
.border{ border-color:rgb(225, 208, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 208, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 208, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 208, 239);  
box-shadow:4px 4px 4px 4px rgb(225, 208,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.1872, 67.3513, 91.0149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 208, 239) }
```

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

```
.background{ background-color: rgb(225,  
208, 239) }
```

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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