

Converting Colors

XYZ(69.8918, 67.9585, 99.7163)

Have a look what the booklet for
XYZ(69.8918, 67.9585, 99.7163)
contains.

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Color

**XYZ(69.8746, 67.8752,
99.8609)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD1FA
RGB	221, 209, 250
RGB Percent	87%, 82%, 98%
CMY	0.1333, 0.1804, 0.0196
CMYK	0.12, 0.16, 0.00, 0.02
HSL	258°, 80%, 90%
HSV	258°, 16%, 98%
XYZ	69.8746, 67.8752, 99.8609
YIQ	217.2620, -6.0090, 15.2950

Conversions

Conversions Part 2

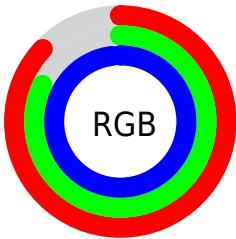
Format	Color
R _Y B	221, 209, 250
Decimal	14537210
CIE Lab	85.94, 11.85, -18.55
CIE LCh	86, 22.012, 302.570
Yxy	67.8752, 0.2941, 0.2857
Android (android.graphics.Color)	4292727290 (0xFFDDD1FA)
YUV	217.2620, 16.1398, 3.2782
Hunter-Lab	82.3864, 7.2155, -14.1952

Details

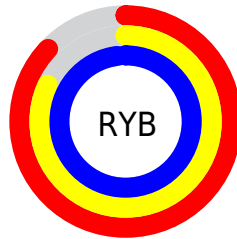
The XYZ color **69.8746, 67.8752, 99.8609** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9564, 91.1535, 73.6523**, and the grayscale version is **66.0304, 69.4692, 75.6519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0729, 35.3999, 55.3310** is the 20% darker color. If you saturate the color by 10%, you get **59.1124, 53.9264, 97.7368**, and if you desaturate by 10%, it is **82.1705, 84.0468, 102.3353**.

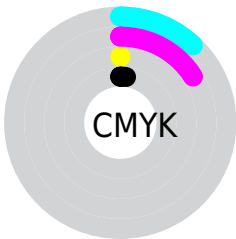
Distribution



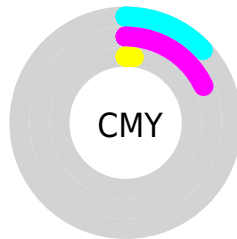
- Red (87%)
- Green (82%)
- Blue (98%)



- Red (87%)
- Yellow (82%)
- Blue (98%)



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



- Cyan (13%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8746, 67.8752, 99.8609 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 69.8746, 67.8752, 99.8609 by changing the saturation by 10% instead.

69.8746, 67.8752,
99.8609

69.8746, 67.8752,
99.8609

449.3829,
453.0537, 580.9895

51.7035, 49.7962,
75.5681

118.0572,
116.1736, 163.0162

36.9921, 35.2515,
55.5739

148.7994,
147.1618, 202.7159

25.3750, 23.8567,
39.4597

184.4626,
183.2218, 248.3882

16.4869, 15.2273,
26.8070

225.4124,
224.7381, 300.4518

9.9624, 8.9791,
17.1971

272.0139,
272.0951, 359.3252

5.4361, 4.7275,
10.2117

324.6326,

2.5427, 2.0883,

325.6771, 425.4269

5.4321

383.6338,
385.8685, 499.1755

■ 0.9168, 0.6580,
2.4398

■ 0.0000, 0.0000,
0.8080

■ 69.8746, 67.8752,
99.8609

■ 69.8746, 67.8752,
99.8609

■ 59.1124, 53.9264,
97.7368

■ 82.1705, 84.0468,
102.3353

■ 49.8154, 42.0934,
95.9428

■ 94.2555, 99.6822,
104.7163

■ 41.9192, 32.2730,
94.4635

■ 35.3514, 24.3498,
93.2803

■ 30.0333, 18.1962,
92.3728

■ 25.8766, 13.6685,
91.7180

■ 22.7803, 10.5997,
91.2888

■ 20.6220, 8.7828,
91.0519

■ 20.0155, 8.3250,
90.9955

Harmonies

Analogous

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



64.9490, 67.8752, 105.2583



69.8746, 67.8752, 99.8609



73.5069, 67.8752, 87.4478

Triad

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



69.8746, 67.8752, 99.8609



69.0835, 67.8752, 51.8976



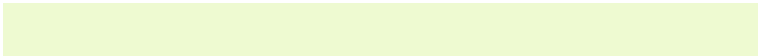
55.3044, 67.8752, 75.1566

Complementary

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



69.8746, 67.8752, 99.8609



80.9564, 91.1535, 73.6523

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.



56.2850, 67.8752, 61.8372



69.8746, 67.8752, 99.8609



64.0796, 67.8752, 49.4916

Square

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



69.8746, 67.8752, 99.8609



73.0337, 67.8752, 59.9421



59.4336, 67.8752, 52.8875



56.6829, 67.8752, 89.8825

Rectangle

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



69.8746, 67.8752, 99.8609



74.6127, 67.8752, 77.5537



59.4336, 67.8752, 52.8875



55.3691, 67.8752, 70.3717

Sweetspot

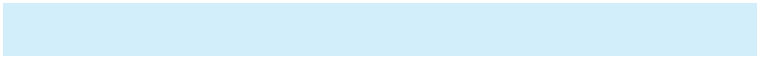
The Sweet Spot groups the original color and five complimentary colors.



69.8767, 67.8780, 99.8624



87.8760, 90.4626, 107.4372



74.2383, 81.8321, 102.3259



18.6005, 19.0863, 22.9536



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.



69.8767, 67.8780, 99.8624



68.8337, 65.4542, 103.6137



76.3733, 71.2272, 100.1664



16.7603, 16.8891, 21.7618



10.7405, 4.4796, 48.2721



1.0955, 0.4668, 4.4755

Inverse Universe

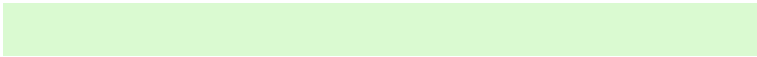
The Inverse Universe completely reimagines the original color for something new.



77.6596, 72.1008, 90.7156



78.5722, 70.7415, 92.0098



74.5750, 87.8638, 73.3536



17.7639, 17.4329, 20.6123



25.1786, 12.4872, 23.4469



2.3782, 1.1750, 2.4150

Previews

White Background



This preview shows how the XYZ color 69.8746, 67.8752, 99.8609 looks on a white background.

Color Contrast Check

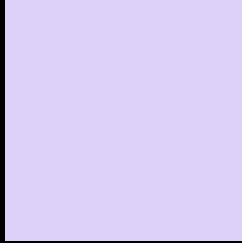
Large Text (above 18pt) WCAG AA × Fail

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 69.8746, 67.8752, 99.8609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

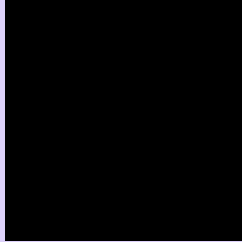
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8746, 67.8752, 99.8609

Background



This preview shows how black text looks on a background with the XYZ color 69.8746, 67.8752, 99.8609.

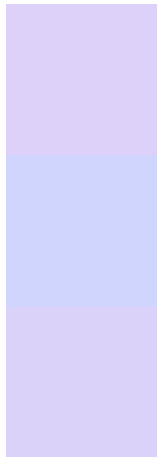


This preview shows how white text looks on a background with the XYZ color 69.8746, 67.8752,

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

69.8746, 67.8752, 99.8609

Protanopia

67.2560, 67.9457, 102.4986

Deuteranopia

69.5153, 68.0554, 99.9146



Tritanopia

66.8505, 68.1511, 83.7598

Trichromacy



Original Color

69.8746, 67.8752, 99.8609

Protanomaly

68.2655, 68.1123, 101.6445

Deuteranomaly

69.8171, 68.2110, 99.9288

Tritanomaly

68.0430, 68.2615, 89.7103

Monochromacy



Original Color

69.8746, 67.8752, 99.8609

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 69.8746, 67.8752, 99.8609 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(221, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(221, 209, 250)  
}
```

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(221, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 209, 250) }
```

Border

The CSS property to change the border of an element to XYZ 69.8746, 67.8752, 99.8609 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(221, 209, 250) }
```


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

```
.border{ border-color:rgb(221, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(221, 209,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8746, 67.8752, 99.8609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 209, 250) }
```

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

```
.background{ background-color: rgb(221,  
209, 250) }
```

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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