

Converting Colors

XYZ(68.8226, 66.8800, 99.8707)

Have a look what the booklet for
XYZ(68.8226, 66.8800, 99.8707)
contains.

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Color

**XYZ(68.7246, 66.9193,
99.7370)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DAD0FA |
| RGB | 218, 208, 250 |
| RGB Percent | 85%, 82%, 98% |
| CMY | 0.1451, 0.1843, 0.0196 |
| CMYK | 0.13, 0.17, 0.00, 0.02 |
| HSL | 254°, 81%, 90% |
| HSV | 254°, 17%, 98% |
| XYZ | 68.7246, 66.9193, 99.7370 |
| YIQ | 215.7780, -7.5220, 15.1820 |

Conversions

Conversions Part 2

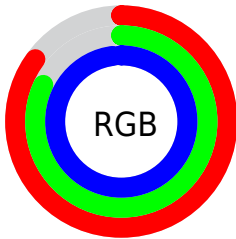
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 218, 208, 250 |
| Decimal | 14340346 |
| CIE Lab | 85.46, 11.43, -19.30 |
| CIE LCh | 85, 22.431, 300.643 |
| Yxy | 66.9193, 0.2920, 0.2843 |
| Android (android.graphics.Color) | 4292530426 (0xFFDAD0FA) |
| YUV | 215.7780, 16.8714, 1.9487 |
| Hunter-Lab | 81.8042, 6.8024, -15.0244 |

Details

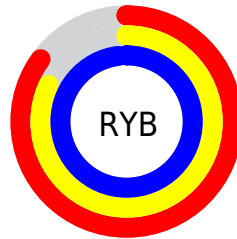
The XYZ color **68.7246, 66.9193, 99.7370** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.5083, 91.4523, 73.0338**, and the grayscale version is **65.0134, 68.3992, 74.4867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2855, 34.7480, 55.2467** is the 20% darker color. If you saturate the color by 10%, you get **57.7308, 52.9069, 97.6128**, and if you desaturate by 10%, it is **81.3379, 83.1962, 102.2150**.

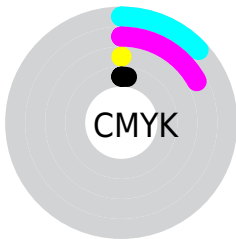
Distribution



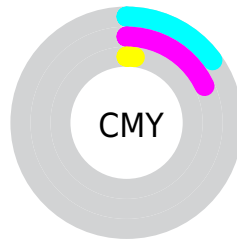
- Red (85%)
- Green (82%)
- Blue (98%)



- Red (85%)
- Yellow (82%)
- Blue (98%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7246, 66.9193, 99.7370 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 68.7246, 66.9193, 99.7370 by changing the saturation by 10% instead.

68.7246, 66.9193,
99.7370

68.7246, 66.9193,
99.7370

445.3956,
449.6575, 580.5886

50.7633, 49.0190,
75.4653

116.4244,
114.8048, 162.8444

36.2405, 34.6346,
55.4901

146.8935,
145.5588, 202.5172

24.7910, 23.3815,
39.3930

182.2627,
181.3662, 248.1607

16.0493, 14.8755,
26.7554

222.8971,
222.6113, 300.1936

9.6501, 8.7320,
17.1588

269.1623,
269.6786, 359.0342

5.2281, 4.5668,
10.1846

321.4236,

2.4178, 1.9954,

322.9525, 425.1013

5.4143

380.0462,
382.8173, 498.8132

■ 0.8540, 0.6048,
2.4294

■ 0.0000, 0.0000,
0.8024

■ 68.7246, 66.9193,
99.7370

■ 68.7246, 66.9193,
99.7370

■ 57.7308, 52.9069,
97.6128

■ 81.3379, 83.1962,
102.2150

■ 48.2833, 41.0493,
95.8220

■ 94.2555, 99.6822,
104.7163

■ 40.3125, 31.2406,
94.3488

■ 33.7407, 23.3620,
93.1745

■ 28.4829, 17.2825,
92.2782

■ 24.4440, 12.8544,
91.6363

■ 21.5150, 9.9056,
91.2215

■ 19.5631, 8.2208,
90.9992

■ 19.0897, 7.8478,
90.9521

Harmonies

Analogous

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



63.7147, 66.9193, 104.6382



68.7246, 66.9193, 99.7370



72.5219, 66.9193, 87.4869

Triad

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



68.7246, 66.9193, 99.7370



68.5245, 66.9193, 51.0627



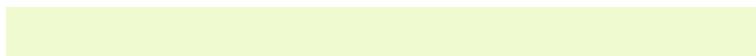
54.3118, 66.9193, 73.1787

Complementary

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



68.7246, 66.9193, 99.7370



81.5083, 91.4523, 73.0338

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.



55.4503, 66.9193, 59.9682



68.7246, 66.9193, 99.7370



63.4950, 66.9193, 48.2765

Square

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



68.7246, 66.9193, 99.7370



72.4021, 66.9193, 59.4910



58.7458, 66.9193, 51.3112



55.5506, 66.9193, 88.1038

Rectangle

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



68.7246, 66.9193, 99.7370



73.7584, 66.9193, 77.5165



58.7458, 66.9193, 51.3112



54.4285, 66.9193, 68.4010

Sweetspot

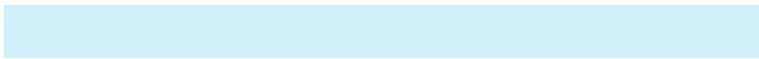
The Sweet Spot groups the original color and five complimentary colors.



68.7267, 66.9221, 99.7385



87.6323, 90.3370, 107.4258



74.4889, 82.7521, 102.4903



18.5414, 19.0559, 22.9509



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.



68.7267, 66.9221, 99.7385



68.0033, 65.0261, 103.5749



75.3424, 70.3327, 100.0481



16.6698, 16.8424, 21.7576



10.2314, 4.2172, 48.2483



1.0378, 0.4371, 4.4728

Inverse Universe

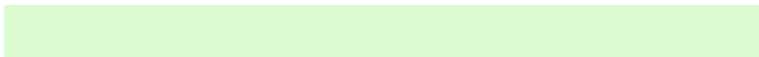
The Inverse Universe completely reimagines the original color for something new.



77.7106, 71.7299, 92.1907



78.9893, 70.9083, 94.2063



74.8466, 88.0180, 72.7220



17.8060, 17.4498, 20.8341



25.9292, 12.7874, 27.3991



2.4425, 1.2007, 2.7535

Previews

White Background



This preview shows how the XYZ color 68.7246, 66.9193, 99.7370 looks on a white background.

Color Contrast Check

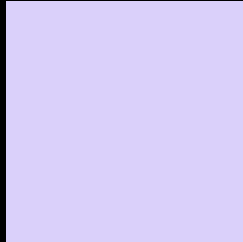
Large Text (above 18pt) WCAG AA × Fail

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 68.7246, 66.9193, 99.7370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

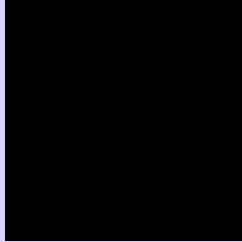
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7246, 66.9193, 99.7370

Background



This preview shows how black text looks on a background with the XYZ color 68.7246, 66.9193, 99.7370.



This preview shows how white text looks on a background with the XYZ color 68.7246, 66.9193,

99.7370.

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

68.7246, 66.9193, 99.7370

Protanopia

66.2910, 67.0944, 101.5521

Deuteranopia

68.4265, 66.7656, 99.7231



Tritanopia

65.2786, 66.9845, 82.8875

Trichromacy



Original Color

68.7246, 66.9193, 99.7370

Protanomaly

67.2852, 67.2552, 100.7020

Deuteranomaly

68.4265, 66.7656, 99.7231

Tritanomaly

66.4589, 67.0917, 88.8041

Monochromacy



Original Color

68.7246, 66.9193, 99.7370

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.4131, 67.9416, 83.0125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7246, 66.9193, 99.7370 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(218, 208, 250)` looks like.

```
.text, #text, p{  
    color:rgb(218, 208, 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(218, 208, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 208, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.7246, 66.9193, 99.7370 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(218, 208, 250) }
```


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

```
.border{ border-color:rgb(218, 208, 250) }
```

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

Here you see how a box with a 4 pixel rgb(218, 208, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 208, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 208, 250);  
box-shadow:4px 4px 4px 4px rgb(218, 208,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7246, 66.9193, 99.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 208, 250) }
```

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

```
.background{ background-color: rgb(218,  
208, 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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