

Converting Colors

XYZ(68.9192, 66.7685, 99.6930)

Have a look what the booklet for
XYZ(68.9192, 66.7685, 99.6930)
contains.

XYZ(68.7816, 66.5878, 99.6700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7816, 66.5878,
99.6700)**

Conversions

Conversions Part 1

Format	Color
Hex	DBCFFA
RGB	219, 207, 250
RGB Percent	86%, 81%, 98%
CMY	0.1412, 0.1882, 0.0196
CMYK	0.12, 0.17, 0.00, 0.02
HSL	257°, 81%, 90%
HSV	257°, 17%, 98%
XYZ	68.7816, 66.5878, 99.6700
YIQ	215.4900, -6.6510, 15.9170

Conversions

Conversions Part 2

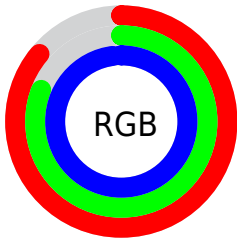
Format	Color
R _Y B	219, 207, 250
Decimal	14405626
CIE Lab	85.30, 12.28, -19.54
CIE LCh	85, 23.083, 302.142
Yxy	66.5878, 0.2926, 0.2833
Android (android.graphics.Color)	4292595706 (0xFFDBCFFA)
YUV	215.4900, 17.0134, 3.0783
Hunter-Lab	81.6013, 7.6549, -15.2974

Details

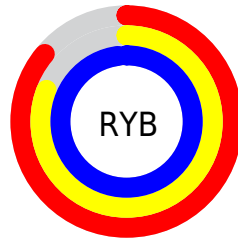
The XYZ color **68.7816, 66.5878, 99.6700** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.7101, 91.0549, 72.3560**, and the grayscale version is **64.8166, 68.1921, 74.2612**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3267, 34.5252, 55.2015** is the 20% darker color. If you saturate the color by 10%, you get **58.0660, 52.7745, 97.5696**, and if you desaturate by 10%, it is **81.0474, 82.6272, 102.1205**.

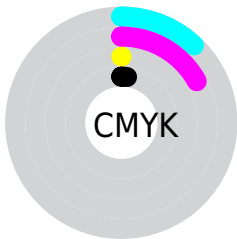
Distribution



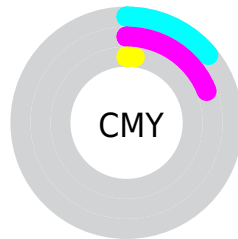
- Red (86%)
- Green (81%)
- Blue (98%)



- Red (86%)
- Yellow (81%)
- Blue (98%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7816, 66.5878, 99.6700 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 68.7816, 66.5878, 99.6700 by changing the saturation by 10% instead.

68.7816, 66.5878,
99.6700

68.7816, 66.5878,
99.6700

445.5937,
448.4761, 580.3718

50.8099, 48.7497,
75.4096

116.5054,
114.3296, 162.7515

36.2777, 34.4210,
55.4448

146.9881,
145.0021, 202.4098

24.8199, 23.2172,
39.3569

182.3719,
180.7215, 248.0377

16.0709, 14.7540,
26.7276

223.0220,
221.8722, 300.0539

9.6655, 8.6469,
17.1381

269.3039,
268.8386, 358.8768

5.2383, 4.5116,
10.1700

321.5830,

2.4239, 1.9637,

322.0051, 424.9251

5.4047

380.2244,
381.7562, 498.6172

■ 0.8571, 0.5862,
2.4238

■ 0.0000, 0.0000,
0.7993

■ 68.7816, 66.5878,
99.6700

■ 68.7816, 66.5878,
99.6700

■ 58.0660, 52.7745,
97.5696

■ 81.0474, 82.6272,
102.1205

■ 48.8308, 41.0793,
95.7989

■ 94.2555, 99.6822,
104.7163

■ 41.0099, 31.3978,
94.3424

■ 34.5295, 23.6129,
93.1813

■ 29.3085, 17.5953,
92.2950

■ 25.2566, 13.1992,
91.6600

■ 22.2696, 10.2540,
91.2490

■ 20.2184, 8.5425,
91.0267

■ 19.7641, 8.1954,
90.9837

Harmonies

Analogous

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



63.6656, 66.5878, 105.1915



68.7816, 66.5878, 99.6700



72.5855, 66.5878, 86.7828

Triad

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



68.7816, 66.5878, 99.6700



68.0970, 66.5878, 49.9411



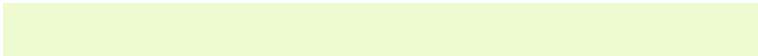
53.7795, 66.5878, 73.5825

Complementary

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



68.7816, 66.5878, 99.6700



80.7101, 91.0549, 72.3560

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.



54.8235, 66.5878, 59.8821



68.7816, 66.5878, 99.6700



62.9153, 66.5878, 47.4025

Square

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



68.7816, 66.5878, 99.6700



72.1752, 66.5878, 58.2588



58.0982, 66.5878, 50.7837



55.1651, 66.5878, 88.8976

Rectangle

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



68.7816, 66.5878, 99.6700



73.7631, 66.5878, 76.5047



58.0982, 66.5878, 50.7837



53.8578, 66.5878, 68.6430

Sweetspot

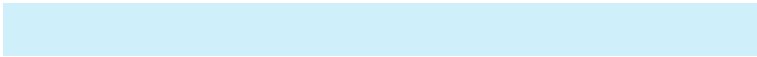
The Sweet Spot groups the original color and five complimentary colors.



68.7836, 66.5906, 99.6715



87.8152, 90.4313, 107.4344



73.7196, 81.6296, 102.3142



18.5858, 19.0787, 22.9529



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.



68.7836, 66.5906, 99.6715



67.4768, 63.8622, 103.3780



75.4940, 70.0499, 99.9855



16.7377, 16.8774, 21.7608



10.6029, 4.4087, 48.2657



1.0803, 0.4590, 4.4748

Inverse Universe

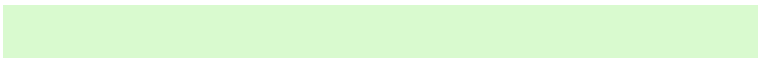
The Inverse Universe completely reimagines the original color for something new.



77.1719, 71.1254, 90.5527



77.9684, 69.5381, 91.7955



74.0754, 87.6346, 72.0455



17.7743, 17.4371, 20.6674



25.3590, 12.5593, 24.3969



2.3937, 1.1812, 2.4968

Previews

White Background



This preview shows how the XYZ color 68.7816, 66.5878, 99.6700 looks on a white background.

Color Contrast Check

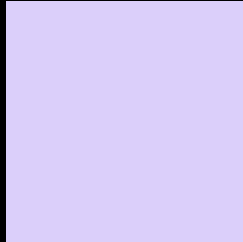
Large Text (above 18pt) WCAG AA × Fail

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 68.7816, 66.5878, 99.6700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

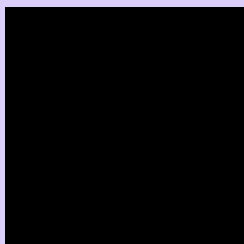
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7816, 66.5878, 99.6700

Background



This preview shows how black text looks on a background with the XYZ color 68.7816, 66.5878, 99.6700.

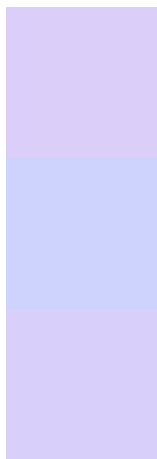


This preview shows how white text looks on a background with the XYZ color 68.7816, 66.5878,

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

68.7816, 66.5878, 99.6700

Protanopia

66.2007, 66.6595, 102.3059

Deuteranopia

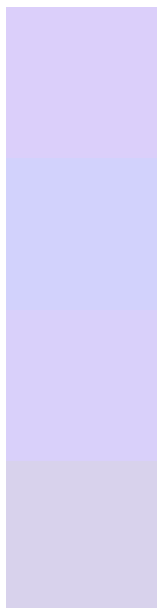
68.1301, 66.6128, 99.7092



Tritanopia

65.3222, 66.6370, 82.8182

Trichromacy



Original Color

68.7816, 66.5878, 99.6700

Protanomaly

67.1956, 66.8231, 101.4520

Deuteranomaly

68.4265, 66.7656, 99.7231

Tritanomaly

66.5058, 66.7482, 88.7353

Monochromacy



Original Color

68.7816, 66.5878, 99.6700

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.8660, 67.2873, 82.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7816, 66.5878, 99.6700 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, 207, 250)` looks like.

```
.text, #text, p{  
    color:rgb(219, 207, 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(219, 207, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 207, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.7816, 66.5878, 99.6700 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, 207, 250) }
```


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

```
.border{ border-color:rgb(219, 207, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 207, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 207, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 207, 250);  
box-shadow:4px 4px 4px 4px rgb(219, 207,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7816, 66.5878, 99.6700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 207, 250) }
```

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

```
.background{ background-color: rgb(219,  
207, 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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