

Converting Colors

XYZ(70.9820, 63.3062,
123.8470)

Have a look what the booklet for
XYZ(70.9820, 63.3062, 123.8470)
contains.

XYZ(67.0033, 61.7599, 102.9971)	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(67.0033, 61.7599,
102.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC4FF
RGB	219, 196, 255
RGB Percent	86%, 77%, 100%
CMY	0.1412, 0.2314, 0.0000
CMYK	0.14, 0.23, 0.00, 0.00
HSL	263°, 100%, 88%
HSV	263°, 23%, 100%
XYZ	67.0033, 61.7599, 102.9971
YIQ	209.6030, -5.2310, 23.2250

Conversions

Conversions Part 2

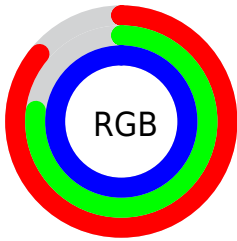
Format	Color
R _Y B	219, 196, 255
Decimal	14402815
CIE Lab	82.79, 19.20, -26.01
CIE LCh	83, 32.326, 306.429
Yxy	61.7599, 0.2891, 0.2665
Android (android.graphics.Color)	4292592895 (0xFFDBC4FF)
YUV	209.6030, 22.3807, 8.2412
Hunter-Lab	78.5875, 14.6602, -22.6945

Details

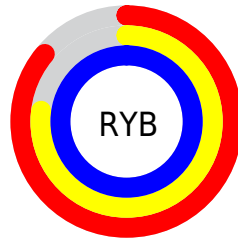
The XYZ color **67.0033, 61.7599, 102.9971** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.0038, 92.6620, 65.9490**, and the grayscale version is **60.8605, 64.0300, 69.7286**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **35.1759, 31.3157, 57.6167** is the 20% darker color. If you saturate the color by 10%, you get **57.2689, 48.9178, 101.0314**, and if you desaturate by 10%, it is **78.1564, 76.7875, 105.3099**.

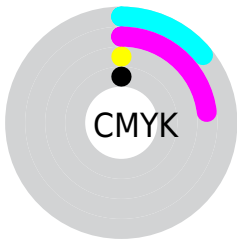
Distribution



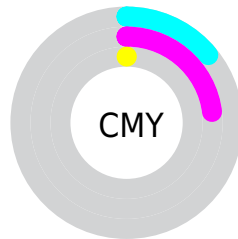
- Red (86%)
- Green (77%)
- Blue (100%)



- Red (86%)
- Yellow (77%)
- Blue (100%)



- Cyan (14%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0033, 61.7599, 102.9971 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 67.0033, 61.7599, 102.9971 by changing the saturation by 10% instead.

67.0033, 61.7599,
102.9971

67.0033, 61.7599,
102.9971

439.3888,
431.0547, 591.0881

49.3580, 44.8387,
78.1751

113.9749,
107.3784, 167.3575

35.1193, 31.3304,
57.7005

144.0319,
136.8446, 207.7330

23.9217, 20.8506,
41.1548

178.9569,
171.2612, 254.1301

15.4000, 13.0148,
28.1195

219.1153,
211.0126, 306.9673

9.1887, 7.4388,
18.1759

264.8723,
256.4833, 366.6631

4.9226, 3.7380,
10.9056

316.5933,

2.2362, 1.5281,

308.0576, 433.6362

5.8900

374.6437,
366.1200, 508.3050

■ 0.7617, 0.3084,
2.7106

■ 0.0000, 0.0000,
0.9488

■ 67.0033, 61.7599,
102.9971

■ 67.0033, 61.7599,
102.9971

■ 57.2689, 48.9178,
101.0314

■ 78.1564, 76.7875,
105.3099

■ 48.8864, 38.1488,
99.3946

■ 90.7801, 94.0908,
107.9845

■ 41.7914, 29.3414,
98.0686

95.0500, 100.0000,
108.9000

■ 35.9117, 22.3706,
97.0329

■ 31.1671, 17.0962,
96.2650

■ 27.4659, 13.3568,
95.7382

■ 24.6994, 10.9572,
95.4209

■ 23.2399, 9.8955,
95.2929

Harmonies

Analogous

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



60.2107, 61.7599, 112.9213



67.0033, 61.7599, 102.9971



71.8273, 61.7599, 83.7488

Triad

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



67.0033, 61.7599, 102.9971



64.2111, 61.7599, 37.9027



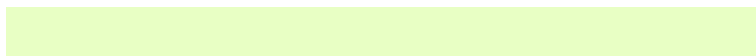
46.3927, 61.7599, 71.6250

Complementary

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



67.0033, 61.7599, 102.9971



79.0038, 92.6620, 65.9490

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.



47.2799, 61.7599, 53.0674



67.0033, 61.7599, 102.9971



57.2167, 61.7599, 35.9227

Square

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



67.0033, 61.7599, 102.9971



70.1283, 61.7599, 46.9754



51.1144, 61.7599, 40.9040



48.5877, 61.7599, 92.6418

Rectangle

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



67.0033, 61.7599, 102.9971



73.0810, 61.7599, 69.6593



51.1144, 61.7599, 40.9040



46.3430, 61.7599, 64.8892

Sweetspot

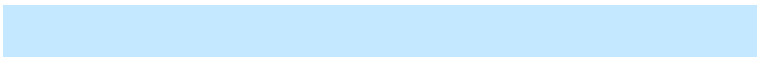
The Sweet Spot groups the original color and five complimentary colors.



67.0051, 61.7624, 102.9975



85.7235, 87.1277, 106.9070



69.7813, 76.8867, 105.7705



18.1837, 18.4229, 22.8475



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.



67.0051, 61.7624, 102.9975



62.0958, 55.2480, 101.9989



76.5440, 66.6799, 103.4439



17.6727, 17.7230, 22.7394



12.2983, 5.2505, 49.7998



1.3156, 0.5721, 4.8544

Inverse Universe

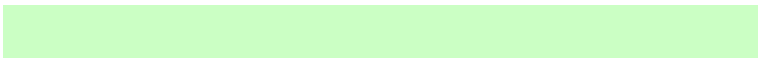
The Inverse Universe completely reimagines the original color for something new.



75.5468, 66.5683, 85.2130



72.1857, 60.9303, 80.7500



70.3223, 88.1865, 65.5427



18.4751, 18.1734, 21.1190



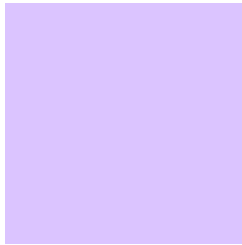
24.7419, 12.3860, 17.8230



2.4627, 1.2274, 2.0178

Previews

White Background



This preview shows how the XYZ color 67.0033, 61.7599, 102.9971 looks on a white background.

Color Contrast Check

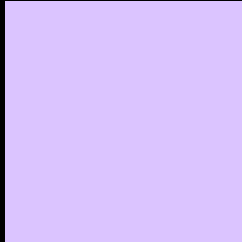
Large Text (above 18pt) WCAG AA × Fail

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 67.0033, 61.7599, 102.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

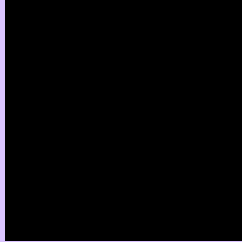
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0033, 61.7599, 102.9971

Background



This preview shows how black text looks on a background with the XYZ color 67.0033, 61.7599, 102.9971.

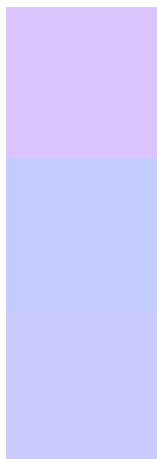


This preview shows how white text looks on a background with the XYZ color 67.0033, 61.7599,

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

67.0033, 61.7599, 102.9971

Protanopia

61.8910, 61.8751, 103.2888

Deuteranopia

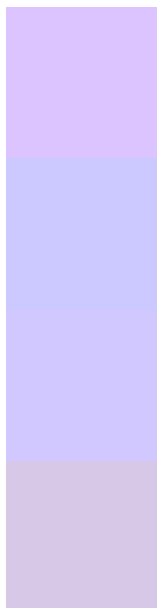
63.3670, 61.9534, 102.3843



Tritanopia

61.5827, 61.9725, 75.7340

Trichromacy



Original Color

67.0033, 61.7599, 102.9971

Protanomaly

63.5652, 61.6898, 103.1648

Deuteranomaly

64.5561, 61.8742, 102.3064

Tritanomaly

63.2441, 61.5818, 84.8971

Monochromacy



Original Color

67.0033, 61.7599, 102.9971

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.9994, 63.2998, 80.8492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0033, 61.7599, 102.9971 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 196, 255)  
}
```

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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.0033, 61.7599, 102.9971 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, 196, 255) }
```


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

```
.border{ border-color:rgb(219, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0033, 61.7599, 102.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 196, 255) }
```

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

```
.background{ background-color: rgb(219,  
196, 255) }
```

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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