

Converting Colors

XYZ(72.7822, 61.1874, 98.9978)

Have a look what the booklet for
XYZ(72.7822, 61.1874, 98.9978)
contains.

XYZ(72.7676, 61.2558, 99.2551)	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(72.7676, 61.2558,
99.2551)**

Conversions

Conversions Part 1

Format	Color
Hex	F6B9FB
RGB	246, 185, 251
RGB Percent	96%, 73%, 98%
CMY	0.0353, 0.2745, 0.0157
CMYK	0.02, 0.26, 0.00, 0.02
HSL	295°, 89%, 85%
HSV	295°, 26%, 98%
XYZ	72.7676, 61.2558, 99.2551
YIQ	210.7630, 15.1700, 33.4580

Conversions

Conversions Part 2

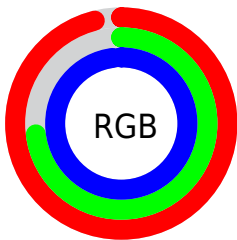
Format	Color
R _Y B	246, 185, 251
Decimal	16169467
CIE _{Lab}	82.52, 32.77, -24.07
CIE _{LCh}	83, 40.658, 323.705
Yxy	61.2558, 0.3119, 0.2626
Android (android.graphics.Color)	4294359547 (0xFFFF6B9FB)
YUV	210.7630, 19.8368, 30.9028
Hunter-Lab	78.2661, 28.9941, -20.4038

Details

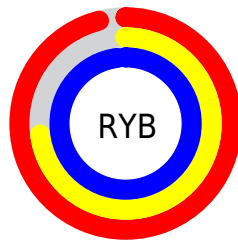
The XYZ color **72.7676, 61.2558, 99.2551** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.4915, 83.4459, 58.6096**, and the grayscale version is **61.6285, 64.8380, 70.6086**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **38.8402, 30.9465, 54.9651** is the 20% darker color. If you saturate the color by 10%, you get **67.3102, 51.3250, 97.6268**, and if you desaturate by 10%, it is **79.1625, 73.0492, 101.1953**.

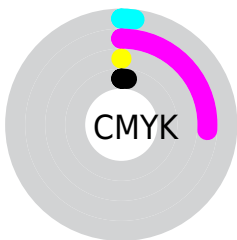
Distribution



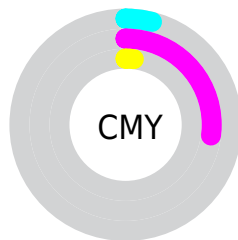
- Red (96%)
- Green (73%)
- Blue (98%)



- Red (96%)
- Yellow (73%)
- Blue (98%)



- Cyan (2%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)





- Cyan (4%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7676, 61.2558, 99.2551 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 72.7676, 61.2558, 99.2551 by changing the saturation by 10% instead.


 72.7676, 61.2558,
99.2551

 72.7676, 61.2558,
99.2551


459.3252,
429.2113, 579.0281

 54.0737, 44.4316,
75.0652


 122.1521,
106.6492, 162.1761

 38.8915, 31.0100,
55.1642

153.5735,
135.9873, 201.7442

 26.8556, 20.6065,
39.1337


189.9679,
170.2654, 247.2755

 17.6009, 12.8366,
26.5552

231.7009,
209.8681, 299.1885

 10.7618, 7.3162,
17.0099

279.1378,
255.1796, 357.9017

 5.9730, 3.6606,
10.0795

332.6439,

 2.8692, 1.4856,

306.5843, 423.8337

5.3454

392.5846,
364.4668, 497.4029

■ 1.0850, 0.2785,
2.3891

■ 0.0125, 0.0000,
0.7805

■ 72.7676, 61.2558,
99.2551

■ 72.7676, 61.2558,
99.2551

■ 67.3102, 51.3250,
97.6268

■ 79.1625, 73.0492,
101.1953

■ 62.7359, 43.1512,
96.2902

■ 86.5344, 86.7875,
103.4585

■ 58.9932, 36.6308,
95.2289

■ 93.2112, 99.1257,
105.4881

■ 56.0233, 31.6459,
94.4232

■ 93.9023, 99.4819,
105.5205

■ 53.7594, 28.0629,
93.8510

94.4128, 99.7451,
105.5444

■ 52.1232, 25.7255,
93.4860

■ 51.0175, 24.4389,
93.2960

■ 50.6873, 24.1187,
93.2516

Harmonies

Analogous

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



65.2073, 61.2558, 120.8649



72.7676, 61.2558, 99.2551



76.4767, 61.2558, 72.0877

Triad

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



72.7676, 61.2558, 99.2551



60.0748, 61.2558, 29.5192



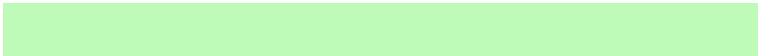
44.2124, 61.2558, 87.8647

Complementary

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



72.7676, 61.2558, 99.2551



64.4915, 83.4459, 58.6096

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.



43.1308, 61.2558, 61.5822



72.7676, 61.2558, 99.2551



51.7539, 61.2558, 31.7524

Square

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



72.7676, 61.2558, 99.2551



68.6929, 61.2558, 35.0631



45.7563, 61.2558, 42.1734



48.8729, 61.2558, 113.2260

Rectangle

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



72.7676, 61.2558, 99.2551



76.0274, 61.2558, 55.9810



45.7563, 61.2558, 42.1734



43.4388, 61.2558, 78.7003

Sweetspot

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



72.7695, 61.2585, 99.2564



88.3177, 87.3759, 106.8181



55.9447, 54.3262, 98.8051



18.6489, 18.2262, 22.7851



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.



72.7695, 61.2585, 99.2564



72.0727, 57.3672, 101.8821



70.5214, 60.5645, 78.1413



17.8557, 17.4537, 21.8131



26.6988, 12.7064, 49.0190



2.5103, 1.1962, 4.5418

Inverse Universe

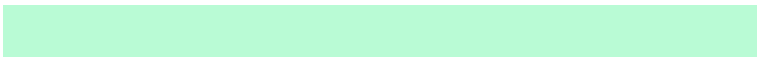
The Inverse Universe completely reimagines the original color for something new.



66.4290, 58.9276, 56.5909



64.4560, 54.5790, 50.0944



66.4538, 84.0890, 75.3493



17.2980, 17.2465, 18.1588



20.9932, 10.8130, 1.4067



1.9622, 1.0086, 0.2244

Previews

White Background



This preview shows how the XYZ color 72.7676, 61.2558, 99.2551 looks on a white background.

Color Contrast Check

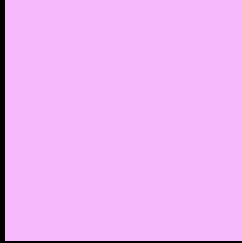
Large Text (above 18pt) WCAG AA × Fail

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 72.7676, 61.2558, 99.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

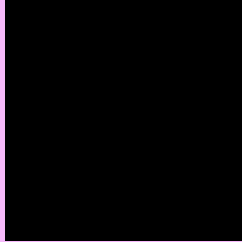
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7676, 61.2558, 99.2551

Background



This preview shows how black text looks on a background with the XYZ color 72.7676, 61.2558, 99.2551.

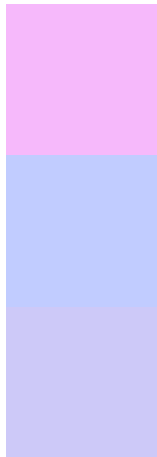


This preview shows how white text looks on a background with the XYZ color 72.7676, 61.2558,

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

72.7676, 61.2558, 99.2551

Protanopia

61.6352, 61.7432, 103.2768

Deuteranopia

63.0068, 61.5297, 97.3625



Tritanopia

66.3903, 61.2193, 67.9919

Trichromacy



Original Color

72.7676, 61.2558, 99.2551



Protanomaly

65.0070, 61.0853, 102.1303



Deuteranomaly

66.1292, 61.0854, 97.9278



Tritanomaly

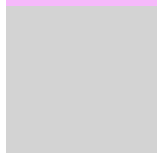
68.4860, 61.0860, 78.7022

Monochromacy



Original Color

72.7676, 61.2558, 99.2551



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

65.5885, 63.5793, 80.7667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7676, 61.2558, 99.2551 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(246, 185, 251)` looks like.

```
.text, #text, p{  
    color:rgb(246, 185, 251)  
}
```

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(246, 185, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 185, 251) }
```

Border

The CSS property to change the border of an element to XYZ 72.7676, 61.2558, 99.2551 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(246, 185, 251) }
```


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

```
.border{ border-color:rgb(246, 185, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 185, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 185, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 185, 251);  
box-shadow:4px 4px 4px 4px rgb(246, 185,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7676, 61.2558, 99.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 185, 251) }
```

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

```
.background{ background-color: rgb(246,  
185, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor