

Converting Colors

XYZ(146.7966, 100.0000,
102.6089)

Have a look what the booklet for
XYZ(146.7966, 100.0000, 102.6089)
contains.

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Color

**XYZ(76.4229, 63.7657,
99.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBBFB
RGB	255, 187, 251
RGB Percent	100%, 73%, 98%
CMY	0.0000, 0.2666, 0.0157
CMYK	0.00, 0.27, 0.02, 0.00
HSL	304°, 100%, 87%
HSV	304°, 27%, 100%
XYZ	76.4229, 63.7657, 99.5469
YIQ	214.6280, 19.9840, 34.3200

Conversions

Conversions Part 2

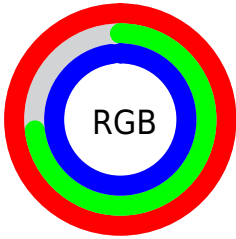
Format	Color
R _Y B	255, 187, 251
Decimal	16759803
CIE Lab	83.84, 34.58, -21.97
CIE LCh	84, 40.969, 327.574
Yxy	63.7657, 0.3188, 0.2660
Android (android.graphics.Color)	4294949883 (0xFFFFBBFB)
YUV	214.6280, 17.9314, 35.4062
Hunter-Lab	79.8534, 31.0881, -18.0147

Details

The XYZ color **76.4229, 63.7657, 99.5469** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.6594, 85.8473, 62.4025**, and the grayscale version is **64.2145, 67.5587, 73.5714**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **41.1511, 32.5404, 55.1510** is the 20% darker color. If you saturate the color by 10%, you get **71.2507, 53.7978, 96.6618**, and if you desaturate by 10%, it is **82.5603, 75.6603, 102.7646**.

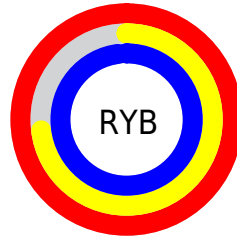
Distribution



Red (100%)

Green (73%)

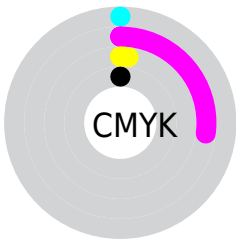
Blue (98%)



Red (100%)

Yellow (73%)

Blue (98%)

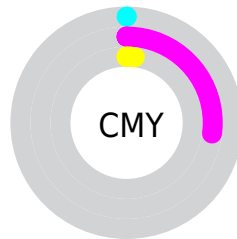


Cyan (0%)

Magenta (27%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4229, 63.7657, 99.5469 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 76.4229, 63.7657, 99.5469 by changing the saturation by 10% instead.

76.4229, 63.7657,
99.5469

76.4229, 63.7657,
99.5469

471.7163,
438.3431, 579.9733

57.0776, 46.4609,
75.3074

127.3017,
110.2734, 162.5808

41.3079, 32.6097,
55.3615

159.5659,
140.2452, 202.2123

28.7485, 21.8276,
39.2907

196.8672,
175.2081, 247.8116

19.0340, 13.7303,
26.6764

239.5708,
215.5465, 299.7972

11.7990, 7.9333,
17.1000

288.0422,
261.6448, 358.5876

6.6782, 4.0523,
10.1431

342.6467,

3.3062, 1.7029,

313.8874, 424.6014

5.3871

403.7496,
372.6587, 498.2571

■ 1.3177, 0.4255,
2.4135

■ 0.1964, 0.0000,
0.7938

■ 76.4229, 63.7657,
99.5469

■ 76.4229, 63.7657,
99.5469

■ 71.2507, 53.7978,
96.6618

■ 82.5603, 75.6603,
102.7646

■ 66.9885, 45.6474,
94.0885

■ 89.7057, 89.5682,
106.3268

■ 63.5824, 39.2060,
91.8097

95.0500, 100.0000,
108.9000

■ 60.9707, 34.3506,
89.8049

■ 59.0838, 30.9417,
88.0508

■ 57.8396, 28.8154,
86.5202

■ 57.1354, 27.7659,
85.1786

■ 56.9686, 27.5514,
84.7558

Harmonies

Analogous

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



68.9778, 63.7657, 123.2920



76.4229, 63.7657, 99.5469



79.5976, 63.7657, 71.5496

Triad

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



76.4229, 63.7657, 99.5469



61.3430, 63.7657, 30.7463



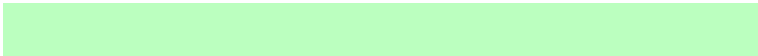
46.5229, 63.7657, 94.9968

Complementary

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



76.4229, 63.7657, 99.5469



65.6594, 85.8473, 62.4025

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.



44.9067, 63.7657, 67.3527



76.4229, 63.7657, 99.5469



52.9431, 63.7657, 34.1072

Square

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



76.4229, 63.7657, 99.5469



70.3704, 63.7657, 35.4304



47.1398, 63.7657, 46.0972



51.7919, 63.7657, 120.2405

Rectangle

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



76.4229, 63.7657, 99.5469



78.6512, 63.7657, 55.5124



47.1398, 63.7657, 46.0972



45.5586, 63.7657, 85.4986

Sweetspot

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



76.4243, 63.7682, 99.5482



88.6913, 87.5908, 105.8305



57.1582, 53.7626, 101.9724



18.7438, 18.2808, 22.5341



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.



76.4243, 63.7682, 99.5482



73.5472, 58.2155, 97.9681



71.6146, 61.8443, 74.2204



18.7438, 18.2808, 22.5341



29.7872, 14.4042, 44.3915



2.9138, 1.4079, 4.3932

Inverse Universe

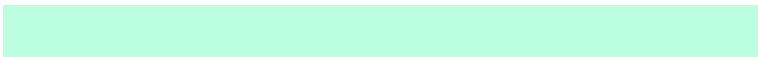
The Inverse Universe completely reimagines the original color for something new.



76.4243, 63.7682, 99.5482



73.5472, 58.2155, 97.9681



69.7642, 87.4892, 84.0178



18.7438, 18.2808, 22.5341



29.7872, 14.4042, 44.3915



2.9138, 1.4079, 4.3932

Previews

White Background



This preview shows how the XYZ color 76.4229, 63.7657, 99.5469 looks on a white background.

Color Contrast Check

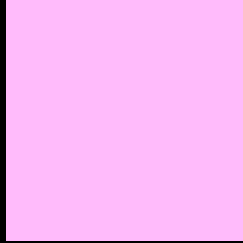
Large Text (above 18pt) WCAG AA × Fail

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 76.4229, 63.7657, 99.5469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

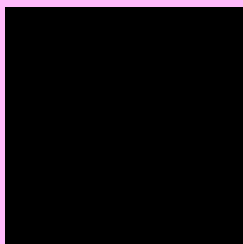
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.4229, 63.7657, 99.5469

Background



This preview shows how black text looks on a background with the XYZ color 76.4229, 63.7657, 99.5469.

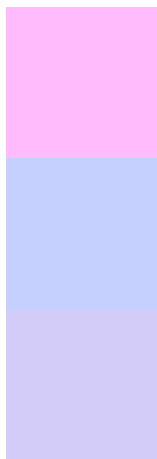


This preview shows how white text looks on a background with the XYZ color 76.4229, 63.7657,

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

76.4229, 63.7657, 99.5469

Protanopia

63.8946, 64.3375, 103.6585

Deuteranopia

65.4001, 63.8119, 97.6769



Tritanopia

70.2149, 63.8231, 69.5911

Trichromacy



Original Color

76.4229, 63.7657, 99.5469



Protanomaly

67.7571, 63.5244, 102.4562



Deuteranomaly

68.9715, 63.5586, 98.2554



Tritanomaly

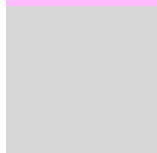
72.2239, 63.6447, 79.7122

Monochromacy



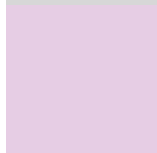
Original Color

76.4229, 63.7657, 99.5469



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

68.4680, 66.0871, 82.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4229, 63.7657, 99.5469 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(255, 187, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 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(255, 187, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 251) }
```

Border

The CSS property to change the border of an element to XYZ 76.4229, 63.7657, 99.5469 is called "border". The border property can be set on classes, ids or directly on the HTML element.

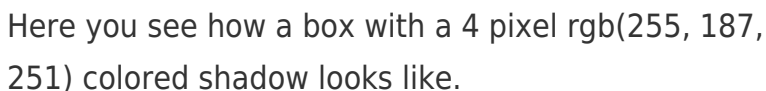
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 187, 251) }
```


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

```
.border{ border-color:rgb(255, 187, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 187, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4229, 63.7657, 99.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 251) }
```

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

```
.background{ background-color: rgb(255,  
187, 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](#).

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