

Converting Colors

XYZ(100.9606, 78.9919,
103.1967)

Have a look what the booklet for
XYZ(100.9606, 78.9919, 103.1967)
contains.

XYZ(78.4847, 67.3821, 101.7980)	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(78.4847, 67.3821,
101.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3FD
RGB	255, 195, 253
RGB Percent	100%, 76%, 99%
CMY	0.0000, 0.2353, 0.0078
CMYK	0.00, 0.24, 0.01, 0.00
HSL	302°, 100%, 88%
HSV	302°, 24%, 100%
XYZ	78.4847, 67.3821, 101.7980
YIQ	219.5520, 17.1420, 30.7580

Conversions

Conversions Part 2

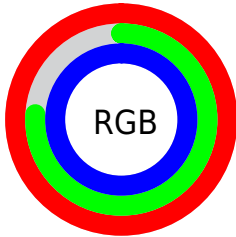
Format	Color
R _Y B	255, 195, 253
Decimal	16761853
CIE Lab	85.70, 30.74, -20.23
CIE LCh	86, 36.796, 326.656
Yxy	67.3821, 0.3169, 0.2721
Android (android.graphics.Color)	4294951933 (0xFFFFC3FD)
YUV	219.5520, 16.4899, 31.0879
Hunter-Lab	82.0866, 27.0160, -16.0666

Details

The XYZ color **78.4847, 67.3821, 101.7980** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.3458, 87.1543, 66.0464**, and the grayscale version is **67.5974, 71.1178, 77.4473**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **42.7774, 35.0410, 56.7335** is the 20% darker color. If you saturate the color by 10%, you get **73.1170, 56.8624, 99.3434**, and if you desaturate by 10%, it is **84.8317, 79.8586, 104.5838**.

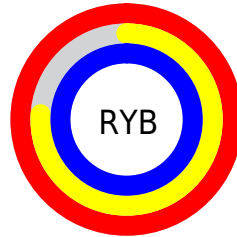
Distribution



Red (100%)

Green (76%)

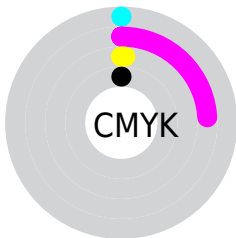
Blue (99%)



Red (100%)

Yellow (76%)

Blue (99%)

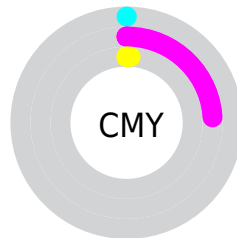


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4847, 67.3821, 101.7980 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 78.4847, 67.3821, 101.7980 by changing the saturation by 10% instead.


 78.4847, 67.3821,
101.7980

 78.4847, 67.3821,
101.7980


478.6260,
451.3036, 587.2378

 58.7764, 49.3952,
77.1777


 130.1949,
115.4678, 165.6992

 42.6788, 34.9331,
56.8863

162.9276,
146.3353, 205.8173

 29.8266, 23.6113,
40.5052


200.7323,
182.2652, 251.9384

 19.8544, 15.0456,
27.6159

243.9746,
223.6418, 304.4810

 12.3969, 8.8514,
17.7998

293.0198,
270.8496, 363.8637

 7.0887, 4.6444,
10.6384

348.2332,

 3.5645, 2.0401,

324.2729, 430.5050

5.7131

409.9801,
384.2961, 504.8236

■ 1.4588, 0.6306,
2.6055

■ 0.2976, 0.0000,
0.8953

■ 78.4847, 67.3821,
101.7980

■ 78.4847, 67.3821,
101.7980

■ 73.1170, 56.8624,
99.3434

■ 84.8317, 79.8586,
104.5838

■ 68.6744, 48.1924,
97.1992

■ 92.1993, 94.3758,
107.7120

■ 65.1046, 41.2669,
95.3489

95.0500, 100.0000,
108.9000

■ 62.3480, 35.9670,
93.7726

■ 60.3378, 32.1589,
92.4481

■ 58.9965, 29.6877,
91.3496

■ 58.2298, 28.3645,
90.4455

■ 57.9521, 27.9448,
89.9347

Harmonies

Analogous

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



71.5561, 67.3821, 122.8746



78.4847, 67.3821, 101.7980



81.5322, 67.3821, 76.0953

Triad

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



78.4847, 67.3821, 101.7980



64.9901, 67.3821, 36.2421



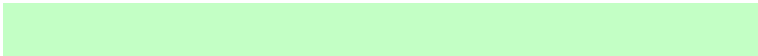
50.6850, 67.3821, 96.1018

Complementary

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



78.4847, 67.3821, 101.7980



68.3458, 87.1543, 66.0464

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.



49.2555, 67.3821, 70.7060



78.4847, 67.3821, 101.7980



57.0782, 67.3821, 39.3452

Square

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



78.4847, 67.3821, 101.7980



73.3251, 67.3821, 41.1507



51.4942, 67.3821, 50.7946



55.5823, 67.3821, 119.1136

Rectangle

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



78.4847, 67.3821, 101.7980



80.7721, 67.3821, 60.9091



51.4942, 67.3821, 50.7946



49.8025, 67.3821, 87.4188

Sweetspot

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



78.4862, 67.3848, 101.7994



89.5220, 89.0970, 106.5857



60.3329, 57.9894, 102.6209



19.0646, 18.8796, 22.7728



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.



78.4862, 67.3848, 101.7994



75.9668, 62.4428, 100.6612



74.2114, 65.6748, 79.2883



18.7650, 18.2893, 22.6456



30.2929, 14.6065, 47.0543



2.9574, 1.4253, 4.6231

Inverse Universe

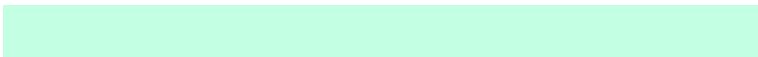
The Inverse Universe completely reimagines the original color for something new.



78.4862, 67.3848, 101.7994



75.9668, 62.4428, 100.6612



71.9951, 88.6140, 85.2632



18.7650, 18.2893, 22.6456



30.2929, 14.6065, 47.0543



2.9574, 1.4253, 4.6231

Previews

White Background



This preview shows how the XYZ color 78.4847, 67.3821, 101.7980 looks on a white background.

Color Contrast Check

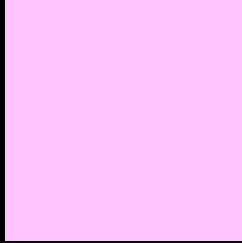
Large Text (above 18pt) WCAG AA × Fail

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 78.4847, 67.3821, 101.7980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

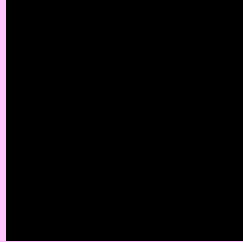
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4847, 67.3821, 101.7980

Background



This preview shows how black text looks on a background with the XYZ color 78.4847, 67.3821, 101.7980.



This preview shows how white text looks on a background with the XYZ color 78.4847, 67.3821,

101.7980.

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

78.4847, 67.3821, 101.7980

Protanopia

67.0211, 67.7876, 104.1597

Deuteranopia

68.9692, 67.4085, 99.8185



Tritanopia

73.0693, 67.5748, 74.8377

Trichromacy



Original Color

78.4847, 67.3821, 101.7980



Protanomaly

70.3921, 66.9863, 102.9855



Deuteranomaly

71.9604, 67.1397, 100.4333



Tritanomaly

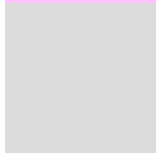
74.8512, 67.2555, 83.8994

Monochromacy



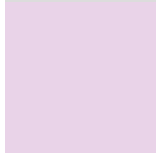
Original Color

78.4847, 67.3821, 101.7980



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

71.4640, 69.7384, 86.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4847, 67.3821, 101.7980 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, 195, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 253)  
}
```

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, 195, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 253) }
```

Border

The CSS property to change the border of an element to XYZ 78.4847, 67.3821, 101.7980 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, 195, 253) }
```


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

```
.border{ border-color:rgb(255, 195, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4847, 67.3821, 101.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 253) }
```

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

```
.background{ background-color: rgb(255,  
195, 253) }
```

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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