

Converting Colors

XYZ(82.2518, 69.7876,
101.4116)

Have a look what the booklet for
XYZ(82.2518, 69.7876, 101.4116)
contains.

XYZ(78.5506, 67.7681, 101.0360)	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(78.5506, 67.7681,
101.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4FC
RGB	255, 196, 252
RGB Percent	100%, 77%, 99%
CMY	0.0000, 0.2314, 0.0118
CMYK	0.00, 0.23, 0.01, 0.00
HSL	303°, 100%, 88%
HSV	303°, 23%, 100%
XYZ	78.5506, 67.7681, 101.0360
YIQ	220.0250, 17.1880, 29.9240

Conversions

Conversions Part 2

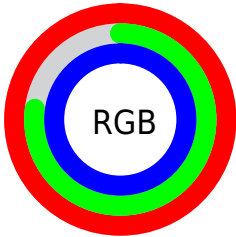
Format	Color
R _Y B	255, 196, 252
Decimal	16762108
CIE Lab	85.89, 30.03, -19.40
CIE LCh	86, 35.756, 327.138
Yxy	67.7681, 0.3176, 0.2740
Android (android.graphics.Color)	4294952188 (0xFFFFC4FC)
YUV	220.0250, 15.7637, 30.6731
Hunter-Lab	82.3214, 26.2613, -15.1438

Details

The XYZ color **78.5506, 67.7681, 101.0360** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.8357, 87.3803, 67.2736**, and the grayscale version is **67.9315, 71.4692, 77.8300**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **42.8120, 35.2919, 56.1853** is the 20% darker color. If you saturate the color by 10%, you get **73.0758, 57.1459, 98.2019**, and if you desaturate by 10%, it is **85.0072, 80.3512, 104.2061**.

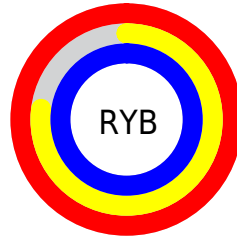
Distribution



Red (100%)

Green (77%)

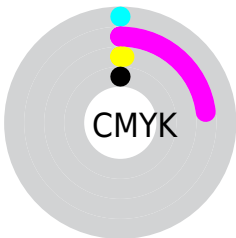
Blue (99%)



Red (100%)

Yellow (77%)

Blue (99%)

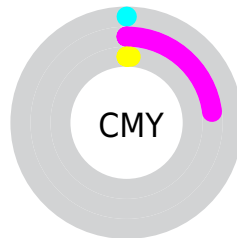


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5506, 67.7681, 101.0360 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 78.5506, 67.7681, 101.0360 by changing the saturation by 10% instead.

78.5506, 67.7681,
101.0360

78.5506, 67.7681,
101.0360

478.8460,
452.6739, 584.7841

58.8307, 49.7091,
76.5443

130.2873,
116.0203, 164.6444

42.7227, 35.1823,
56.3696

163.0348,
146.9823, 204.5983

29.8612, 23.8033,
40.0934

200.8556,
183.0142, 250.5433

19.8808, 15.1878,
27.2970

244.1150,
224.5002, 302.8979

12.4162, 8.9513,
17.5620

293.1784,
271.8247, 362.0808

7.1020, 4.7094,
10.4698

348.4111,

3.5729, 2.0778,

325.3723, 428.5104

5.6019

410.1785,
385.5272, 502.6054

■ 1.4635, 0.6521,
2.5397

■ 0.3008, 0.0000,
0.8611

■ 78.5506, 67.7681,
101.0360

■ 78.5506, 67.7681,
101.0360

■ 73.0758, 57.1459,
98.2019

■ 85.0072, 80.3512,
104.2061

■ 68.5290, 48.3776,
95.6832

■ 92.4871, 94.9789,
107.7233

■ 64.8579, 41.3586,
93.4632

95.0500, 100.0000,
108.9000

■ 62.0034, 35.9705,
91.5223

■ 59.8988, 32.0801,
89.8383

■ 58.4673, 29.5334,
88.3854

■ 57.6152, 28.1435,
87.1325

■ 57.2727, 27.6731,
86.3572

Harmonies

Analogous

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



71.8573, 67.7681, 121.5851



78.5506, 67.7681, 101.0360



81.4365, 67.7681, 76.0609

Triad

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



78.5506, 67.7681, 101.0360



65.2004, 67.7681, 37.3160



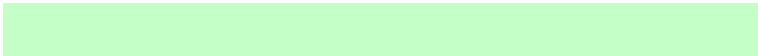
51.4010, 67.7681, 96.3064

Complementary

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



78.5506, 67.7681, 101.0360



68.8357, 87.3803, 67.2736

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.



49.9419, 67.7681, 71.5608



78.5506, 67.7681, 101.0360



57.4988, 67.7681, 40.5161

Square

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



78.5506, 67.7681, 101.0360



73.3309, 67.7681, 42.0436



52.0799, 67.7681, 51.9403



56.2464, 67.7681, 118.4731

Rectangle

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



78.5506, 67.7681, 101.0360



80.6453, 67.7681, 61.2917



52.0799, 67.7681, 51.9403



50.5171, 67.7681, 87.8767

Sweetspot

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



78.5521, 67.7708, 101.0374



89.4719, 89.0770, 106.3217



61.3326, 58.8384, 102.7321



19.0529, 18.8749, 22.7114



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.



78.5521, 67.7708, 101.0374



75.7686, 62.3635, 99.6173



74.2403, 66.0461, 78.3318



18.7504, 18.2835, 22.5689



29.9436, 14.4667, 45.2151



2.9273, 1.4133, 4.4644

Inverse Universe

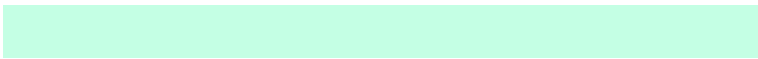
The Inverse Universe completely reimagines the original color for something new.



78.5521, 67.7708, 101.0374



75.7686, 62.3635, 99.6173



72.5929, 88.8831, 87.0587



18.7504, 18.2835, 22.5689



29.9436, 14.4667, 45.2151



2.9273, 1.4133, 4.4644

Previews

White Background



This preview shows how the XYZ color 78.5506, 67.7681, 101.0360 looks on a white background.

Color Contrast Check

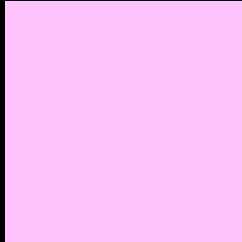
Large Text (above 18pt) WCAG AA × Fail

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 78.5506, 67.7681, 101.0360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

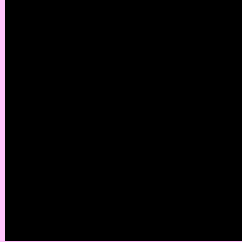
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5506, 67.7681, 101.0360

Background



This preview shows how black text looks on a background with the XYZ color 78.5506, 67.7681, 101.0360.

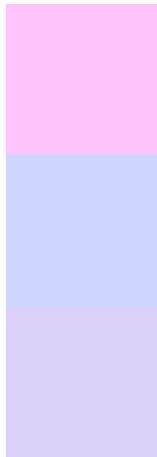


This preview shows how white text looks on a background with the XYZ color 78.5506, 67.7681,

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

78.5506, 67.7681, 101.0360

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

69.6607, 68.1484, 99.1050



Tritanopia

73.1998, 67.6270, 75.5249

Trichromacy



Original Color

78.5506, 67.7681, 101.0360



Protanomaly

70.9427, 67.6287, 103.0805



Deuteranomaly

72.6909, 67.8884, 99.7150



Tritanomaly

75.0821, 67.7172, 83.9764

Monochromacy



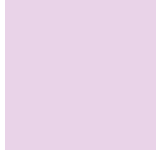
Original Color

78.5506, 67.7681, 101.0360



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 78.5506, 67.7681, 101.0360 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, 196, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 252)  
}
```

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, 196, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 252) }
```

Border

The CSS property to change the border of an element to XYZ 78.5506, 67.7681, 101.0360 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, 196, 252) }
```


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

```
.border{ border-color:rgb(255, 196, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 252); box-shadow:4px 4px 4px 4px rgb(255, 196, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5506, 67.7681, 101.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 252) }
```

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

```
.background{ background-color: rgb(255,  
196, 252) }
```

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