

Converting Colors

XYZ(105.5028, 81.8684,
100.7230)

Have a look what the booklet for
XYZ(105.5028, 81.8684, 100.7230)
contains.

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Color

**XYZ(78.4616, 68.0946,
99.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC5FA
RGB	255, 197, 250
RGB Percent	100%, 77%, 98%
CMY	0.0000, 0.2274, 0.0196
CMYK	0.00, 0.23, 0.02, 0.00
HSL	305°, 100%, 89%
HSV	305°, 23%, 100%
XYZ	78.4616, 68.0946, 99.4507
YIQ	220.3840, 17.5550, 28.7790

Conversions

Conversions Part 2

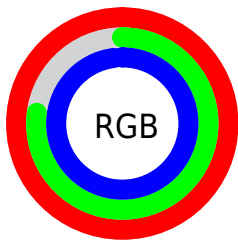
Format	Color
R _Y B	255, 197, 250
Decimal	16762362
CIE Lab	86.05, 29.15, -18.09
CIE LCh	86, 34.312, 328.173
Yxy	68.0946, 0.3189, 0.2768
Android (android.graphics.Color)	4294952442 (0xFFFFC5FA)
YUV	220.3840, 14.6007, 30.3582
Hunter-Lab	82.5195, 25.3133, -13.6914

Details

The XYZ color **78.4616, 68.0946, 99.4507** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.4486, 87.6556, 69.1387**, and the grayscale version is **68.1896, 71.7408, 78.1257**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **42.7368, 35.5009, 55.0520** is the 20% darker color. If you saturate the color by 10%, you get **72.8114, 57.3423, 95.8776**, and if you desaturate by 10%, it is **85.0981, 80.8125, 103.3742**.

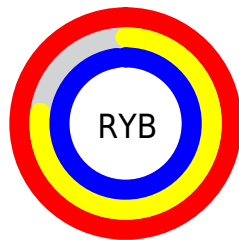
Distribution



Red (100%)

Green (77%)

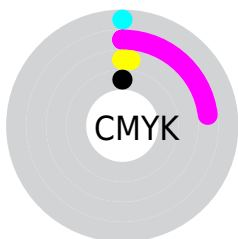
Blue (98%)



Red (100%)

Yellow (77%)

Blue (98%)

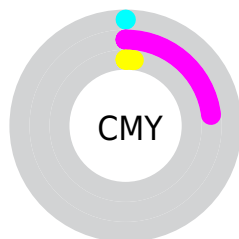


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4616, 68.0946, 99.4507 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 78.4616, 68.0946, 99.4507 by changing the saturation by 10% instead.


 78.4616, 68.0946,
99.4507

 78.4616, 68.0946,
99.4507


478.5489,
453.8311, 579.6618

 58.7573, 49.9747,
75.2275


130.1626,
116.4875, 162.4474

 42.6634, 35.3933,
55.2965

162.8900,
147.5292, 202.0580

 29.8145, 23.9660,
39.2389


200.6891,
183.6470, 247.6349

 19.8452, 15.3084,
26.6364


243.9254,
225.2253, 299.5966

 12.3902, 9.0361,
17.0703

292.9642,
272.6485, 358.3615

 7.0841, 4.7647,
10.1221

348.1708,

 3.5615, 2.1099,

326.3009, 424.3484

5.3734

409.9106,
386.5670, 497.9756

■ 1.4572, 0.6702,
2.4054

■ 0.2964, 0.0000,
0.7894

■ 78.4616, 68.0946,
99.4507

■ 78.4616, 68.0946,
99.4507

■ 72.8114, 57.3423,
95.8776

■ 85.0981, 80.8125,
103.3742

■ 68.0938, 48.4491,
92.6342

■ 92.7622, 95.5795,
107.6593

■ 64.2567, 41.3106,
89.7040

95.0500, 100.0000,
108.9000

■ 61.2412, 35.8088,
87.0672

■ 58.9810, 31.8114,
84.7018

■ 57.3997, 29.1653,
82.5822

■ 56.4045, 27.6851,
80.6773

■ 55.9509, 27.1444,
79.3966

Harmonies

Analogous

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



72.1390, 68.0946, 119.3293



78.4616, 68.0946, 99.4507



81.0703, 68.0946, 75.5352

Triad

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



78.4616, 68.0946, 99.4507



65.2060, 68.0946, 38.6913



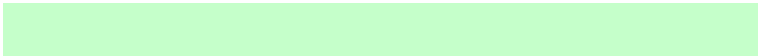
52.2678, 68.0946, 96.5654

Complementary

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



78.4616, 68.0946, 99.4507



69.4486, 87.6556, 69.1387

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.



50.7338, 68.0946, 72.7689



78.4616, 68.0946, 99.4507



57.8314, 68.0946, 42.1034

Square

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



78.4616, 68.0946, 99.4507



73.0420, 68.0946, 43.0590



52.6878, 68.0946, 53.5409



57.0589, 68.0946, 117.4399

Rectangle

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



78.4616, 68.0946, 99.4507



80.2045, 68.0946, 61.4216



52.6878, 68.0946, 53.5409



51.3721, 68.0946, 88.5108

Sweetspot

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



78.4630, 68.0973, 99.4521



89.3709, 89.0366, 105.7898



62.3310, 59.6891, 102.8437



19.0295, 18.8656, 22.5878



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.



78.4630, 68.0973, 99.4521



75.9396, 63.2847, 97.8888



74.2813, 66.4246, 77.4316



18.7212, 18.2718, 22.4147



29.2636, 14.1947, 41.6342



2.8684, 1.3897, 4.1542

Inverse Universe

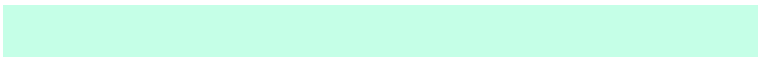
The Inverse Universe completely reimagines the original color for something new.



78.4630, 68.0973, 99.4521



75.9396, 63.2847, 97.8888



73.1880, 89.1513, 88.8302



18.7212, 18.2718, 22.4147



29.2636, 14.1947, 41.6342



2.8684, 1.3897, 4.1542

Previews

White Background



This preview shows how the XYZ color 78.4616, 68.0946, 99.4507 looks on a white background.

Color Contrast Check

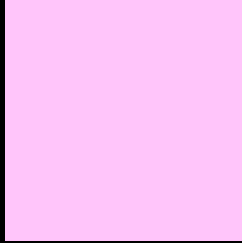
Large Text (above 18pt) WCAG AA × Fail

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 78.4616, 68.0946, 99.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

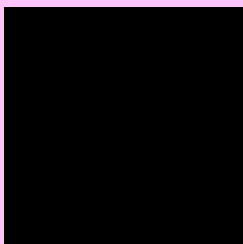
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4616, 68.0946, 99.4507

Background



This preview shows how black text looks on a background with the XYZ color 78.4616, 68.0946, 99.4507.



This preview shows how white text looks on a background with the XYZ color 78.4616, 68.0946,

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

78.4616, 68.0946, 99.4507

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

69.8087, 68.2426, 98.2998



Tritanopia

73.7945, 68.2831, 75.6202

Trichromacy



Original Color

78.4616, 68.0946, 99.4507



Protanomaly

71.0260, 68.0509, 102.3202



Deuteranomaly

72.5345, 67.8258, 98.8912



Tritanomaly

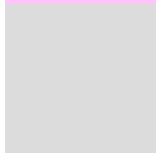
75.3145, 68.1819, 84.0538

Monochromacy



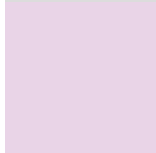
Original Color

78.4616, 68.0946, 99.4507



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

71.5716, 70.1801, 85.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4616, 68.0946, 99.4507 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, 197, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 250)  
}
```

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, 197, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 250) }
```

Border

The CSS property to change the border of an element to XYZ 78.4616, 68.0946, 99.4507 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, 197, 250) }
```


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

```
.border{ border-color:rgb(255, 197, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4616, 68.0946, 99.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 250) }
```

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

```
.background{ background-color: rgb(255,  
197, 250) }
```

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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