

Converting Colors

XYZ(78.3812, 68.4326, 97.8863)

Have a look what the booklet for
XYZ(78.3812, 68.4326, 97.8863)
contains.

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Color

**XYZ(78.3774, 68.4255,
97.8834)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6F8
RGB	255, 198, 248
RGB Percent	100%, 78%, 97%
CMY	0.0000, 0.2235, 0.0274
CMYK	0.00, 0.22, 0.03, 0.00
HSL	307°, 100%, 89%
HSV	307°, 22%, 100%
XYZ	78.3774, 68.4255, 97.8834
YIQ	220.7430, 17.9220, 27.6340

Conversions

Conversions Part 2

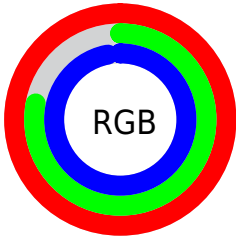
Format	Color
RYB	255, 198, 248
Decimal	16762616
CIELab	86.22, 28.27, -16.79
CIElCh	86, 32.881, 329.303
Yxy	68.4255, 0.3203, 0.2796
Android (android.graphics.Color)	4294952696 (0xFFFFC6F8)
YUV	220.7430, 13.4377, 30.0434
Hunter-Lab	82.7197, 24.3703, -12.2549

Details

The XYZ color **78.3774, 68.4255, 97.8834** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.0702, 87.9346, 71.0405**, and the grayscale version is **68.4485, 72.0131, 78.4223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7764, 35.7581, 54.5166** is the 20% darker color. If you saturate the color by 10%, you get **72.5505, 57.5426, 93.5650**, and if you desaturate by 10%, it is **85.1965, 81.2794, 102.5745**.

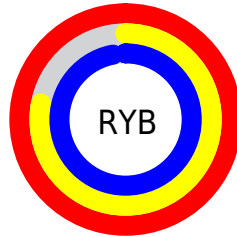
Distribution



Red (100%)

Green (78%)

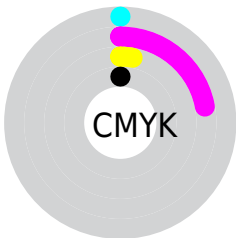
Blue (97%)



Red (100%)

Yellow (78%)

Blue (97%)

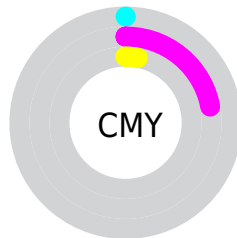


Cyan (0%)

Magenta (22%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3774, 68.4255, 97.8834 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 78.3774, 68.4255, 97.8834 by changing the saturation by 10% instead.


 78.3774, 68.4255,
97.8834

 78.3774, 68.4255,
97.8834


478.2678,
455.0021, 574.5737

 58.6879, 50.2440,
73.9271


130.0446,
116.9606, 160.2719

 42.6073, 35.6073,
54.2379

162.7529,
148.0831, 199.5410

 29.7703, 24.1311,
38.3974


200.5317,
184.2879, 244.7516

 19.8115, 15.4309,
25.9871

243.7461,
225.9595, 296.3221

 12.3656, 9.1223,
16.5883

292.7615,
273.4824, 354.6710

 7.0671, 4.8211,
9.7825

347.9434,

 3.5508, 2.1427,

327.2408, 420.2168

5.1513

409.6570,
387.6193, 493.3782

■ 1.4513, 0.6885,
2.2760

■ 0.2923, 0.0000,
0.7177

■ 78.3774, 68.4255,
97.8834

■ 78.3774, 68.4255,
97.8834

■ 72.5505, 57.5426,
93.5650

■ 85.1965, 81.2794,
102.5745

■ 67.6624, 48.5243,
89.5985

■ 93.0492, 96.1876,
107.6495

■ 63.6610, 41.2668,
85.9673

95.0500, 100.0000,
108.9000

■ 60.4876, 35.6525,
82.6516

■ 58.0764, 31.5496,
79.6293

■ 56.3512, 28.8063,
76.8748

■ 55.2202, 27.2385,
74.3573

■ 54.6520, 26.6248,
72.5567

Harmonies

Analogous

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



72.4263, 68.4255, 117.1055



78.3774, 68.4255, 97.8834



80.7094, 68.4255, 75.0119

Triad

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



78.3774, 68.4255, 97.8834



65.2136, 68.4255, 40.1015



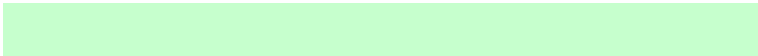
53.1474, 68.4255, 96.8337

Complementary

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



78.3774, 68.4255, 97.8834



70.0702, 87.9346, 71.0405

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.



51.5363, 68.4255, 73.9978



78.3774, 68.4255, 97.8834



58.1671, 68.4255, 43.7348

Square

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



78.3774, 68.4255, 97.8834



72.7562, 68.4255, 44.0912



53.3023, 68.4255, 55.1791



57.8829, 68.4255, 116.4213

Rectangle

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



78.3774, 68.4255, 97.8834



79.7690, 68.4255, 61.5516



53.3023, 68.4255, 55.1791



52.2395, 68.4255, 89.1562

Sweetspot

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



78.3789, 68.4282, 97.8848



89.2667, 88.9949, 105.2411



63.3272, 60.5410, 102.9556



19.0052, 18.8559, 22.4603



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.



78.3789, 68.4282, 97.8848



75.5489, 63.1284, 95.8314



74.3343, 66.8104, 76.5864



18.6910, 18.2597, 22.2558



28.5948, 13.9272, 38.1121



2.8100, 1.3664, 3.8470

Inverse Universe

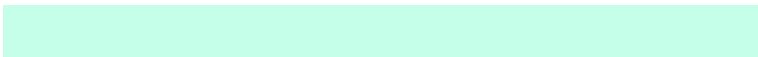
The Inverse Universe completely reimagines the original color for something new.



78.3789, 68.4282, 97.8848



75.5489, 63.1284, 95.8314



73.7800, 89.4185, 90.5757



18.6910, 18.2597, 22.2558



28.5948, 13.9272, 38.1121



2.8100, 1.3664, 3.8470

Previews

White Background



This preview shows how the XYZ color 78.3774, 68.4255, 97.8834 looks on a white background.

Color Contrast Check

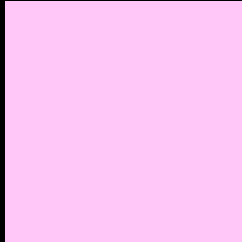
Large Text (above 18pt) WCAG AA × Fail

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 78.3774, 68.4255, 97.8834 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 78.3774, 68.4255, 97.8834

Background



This preview shows how black text looks on a background with the XYZ color 78.3774, 68.4255, 97.8834.



This preview shows how white text looks on a background with the XYZ color 78.3774, 68.4255,

97.8834.

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

78.3774, 68.4255, 97.8834

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

70.1126, 68.4350, 96.7027



Tritanopia

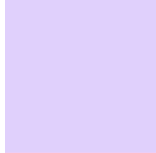
73.9258, 68.3356, 76.3116

Trichromacy



Original Color

78.3774, 68.4255, 97.8834



Protanomaly

70.8670, 67.9873, 101.4832



Deuteranomaly

73.1208, 68.5202, 97.3675



Tritanomaly

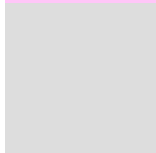
75.3145, 68.1819, 84.0538

Monochromacy



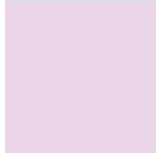
Original Color

78.3774, 68.4255, 97.8834



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

71.8223, 70.6817, 85.4588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3774, 68.4255, 97.8834 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, 198, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 248)  
}
```

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, 198, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 248) }
```

Border

The CSS property to change the border of an element to XYZ 78.3774, 68.4255, 97.8834 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, 198, 248) }
```


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

```
.border{ border-color:rgb(255, 198, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3774, 68.4255, 97.8834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 248) }
```

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

```
.background{ background-color: rgb(255,  
198, 248) }
```

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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