

Converting Colors

XYZ(87.3515, 71.9369, 97.9960)

Have a look what the booklet for
XYZ(87.3515, 71.9369, 97.9960)
contains.

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Color

**XYZ(77.6984, 67.0675,
97.6571)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3F8
RGB	255, 195, 248
RGB Percent	100%, 76%, 97%
CMY	0.0000, 0.2353, 0.0274
CMYK	0.00, 0.24, 0.03, 0.00
HSL	307°, 100%, 88%
HSV	307°, 24%, 100%
XYZ	77.6984, 67.0675, 97.6571
YIQ	218.9820, 18.7470, 29.2030

Conversions

Conversions Part 2

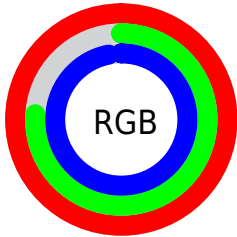
Format	Color
RYB	255, 195, 248
Decimal	16761848
CIELab	85.54, 29.85, -17.81
CIElCh	86, 34.760, 329.177
Yxy	67.0675, 0.3205, 0.2767
Android (android.graphics.Color)	4294951928 (0xFFFFC3F8)
YUV	218.9820, 14.3059, 31.5878
Hunter-Lab	81.8947, 26.0377, -13.3753

Details

The XYZ color **77.6984, 67.0675, 97.6571** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.9283, 87.3873, 69.1144**, and the grayscale version is **67.2157, 70.7162, 77.0099**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **42.3280, 34.8613, 54.3671** is the 20% darker color. If you saturate the color by 10%, you get **72.0077, 56.4186, 93.5020**, and if you desaturate by 10%, it is **84.3749, 79.6758, 102.1788**.

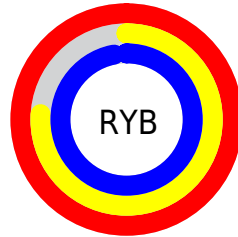
Distribution



Red (100%)

Green (76%)

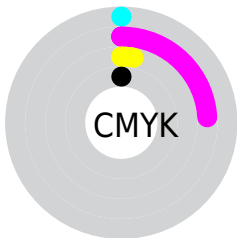
Blue (97%)



Red (100%)

Yellow (76%)

Blue (97%)

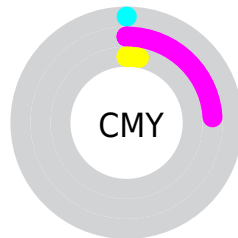


Cyan (0%)

Magenta (24%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6984, 67.0675, 97.6571 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 77.6984, 67.0675, 97.6571 by changing the saturation by 10% instead.

77.6984, 67.0675,
97.6571

77.6984, 67.0675,
97.6571

475.9975,
450.1850, 573.8371

58.1282, 49.1395,
73.7394

129.0925,
115.0171, 159.9574

42.1554, 34.7301,
54.0853

161.6471,
145.8075, 199.1772

29.4146, 23.4551,
38.2762

199.2605,
181.6542, 244.3346

19.5405, 14.9299,
25.8936

242.2981,
222.9415, 295.8484

12.1678, 8.7702,
16.5190

291.1252,
270.0538, 354.1369

6.9311, 4.5916,
9.7339

346.1073,

3.4650, 2.0097,

323.3756, 419.6189

5.1196

407.6096,
383.2912, 492.7128

■ 1.4042, 0.6131,
2.2576

■ 0.2592, 0.0000,
0.7073

■ 77.6984, 67.0675,
97.6571

■ 77.6984, 67.0675,
97.6571

■ 72.0077, 56.4186,
93.5020

■ 84.3749, 79.6758,
102.1788

■ 67.2489, 47.6221,
89.6926

■ 92.0790, 94.3276,
107.0785

■ 63.3695, 40.5728,
86.2123

95.0500, 100.0000,
108.9000

■ 60.3100, 35.1518,
83.0409

■ 58.0035, 31.2252,
80.1561

■ 56.3725, 28.6381,
77.5318

■ 55.3225, 27.2016,
75.1363

■ 54.8650, 26.7100,
73.6785

Harmonies

Analogous

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



71.4405, 67.0675, 117.9682



77.6984, 67.0675, 97.6571



80.1702, 67.0675, 73.6515

Triad

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



77.6984, 67.0675, 97.6571



63.9640, 67.0675, 37.5951



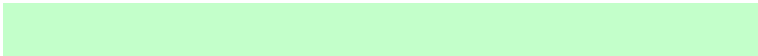
51.3829, 67.0675, 96.3497

Complementary

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



77.6984, 67.0675, 97.6571



68.9283, 87.3873, 69.1144

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.



49.7331, 67.0675, 72.4022



77.6984, 67.0675, 97.6571



56.6242, 67.0675, 41.2499

Square

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



77.6984, 67.0675, 97.6571



71.8488, 67.0675, 41.6782



51.5720, 67.0675, 52.9280



56.2758, 67.0675, 117.1103

Rectangle

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



77.6984, 67.0675, 97.6571



79.1940, 67.0675, 59.6481



51.5720, 67.0675, 52.9280



50.4495, 67.0675, 88.2659

Sweetspot

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



77.6998, 67.0701, 97.6585



89.2841, 89.0019, 105.3330



61.6551, 58.6710, 102.6828



19.0093, 18.8575, 22.4817



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.



77.6998, 67.0701, 97.6585



75.0352, 62.0701, 95.7554



73.5430, 65.4074, 75.7689



18.6960, 18.2617, 22.2824



28.7045, 13.9711, 38.6900



2.8196, 1.3702, 3.8975

Inverse Universe

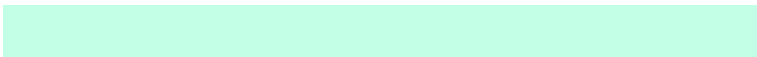
The Inverse Universe completely reimagines the original color for something new.



77.6998, 67.0701, 97.6585



75.0352, 62.0701, 95.7554



72.6913, 88.8925, 88.9297



18.6960, 18.2617, 22.2824



28.7045, 13.9711, 38.6900



2.8196, 1.3702, 3.8975

Previews

White Background



This preview shows how the XYZ color 77.6984, 67.0675, 97.6571 looks on a white background.

Color Contrast Check

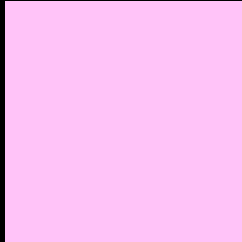
Large Text (above 18pt) WCAG AA × Fail

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 77.6984, 67.0675, 97.6571 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 77.6984, 67.0675, 97.6571

Background



This preview shows how black text looks on a background with the XYZ color 77.6984, 67.0675, 97.6571.



This preview shows how white text looks on a background with the XYZ color 77.6984, 67.0675,

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

77.6984, 67.0675, 97.6571

Protanopia

66.7703, 67.2861, 104.0761

Deuteranopia

68.7971, 67.4091, 95.7715



Tritanopia

73.0650, 67.2404, 74.0935

Trichromacy



Original Color

77.6984, 67.0675, 97.6571



Protanomaly

70.0734, 66.8589, 101.3072



Deuteranomaly

71.8317, 67.1632, 96.3666



Tritanomaly

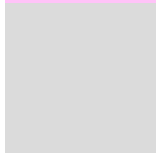
74.5719, 67.1437, 82.4285

Monochromacy



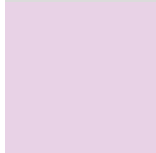
Original Color

77.6984, 67.0675, 97.6571



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

70.6082, 68.9622, 84.4525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6984, 67.0675, 97.6571 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 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, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 248) }
```

Border

The CSS property to change the border of an element to XYZ 77.6984, 67.0675, 97.6571 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, 248) }
```


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

```
.border{ border-color:rgb(255, 195, 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, 195, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6984, 67.0675, 97.6571 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, 248) }
```

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

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