

# Converting Colors

XYZ(112.1376, 88.1614,  
100.9774)

Have a look what the booklet for  
XYZ(112.1376, 88.1614, 100.9774)  
contains.

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# Color

**XYZ(80.1702, 71.7622,  
99.2486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCDF9
RGB	255, 205, 249
RGB Percent	100%, 80%, 98%
CMY	0.0000, 0.1961, 0.0235
CMYK	0.00, 0.20, 0.02, 0.00
HSL	307°, 100%, 90%
HSV	307°, 20%, 100%
XYZ	80.1702, 71.7622, 99.2486
YIQ	224.9660, 15.6760, 24.2840

# Conversions

## Conversions Part 2

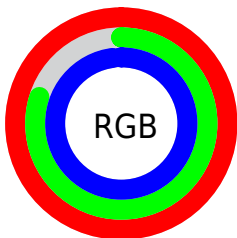
Format	Color
R <sub>Y</sub> B	255, 205, 249
Decimal	16764409
CIE Lab	87.85, 24.77, -14.86
CIE LCh	88, 28.888, 329.044
Yxy	71.7622, 0.3192, 0.2857
Android (android.graphics.Color)	4294954489 (0xFFFFCDF9)
YUV	224.9660, 11.8488, 26.3398
Hunter-Lab	84.7126, 20.6816, -10.1649

# Details

The XYZ color **80.1702, 71.7622, 99.2486** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.6969, 89.2033, 75.0174**, and the grayscale version is **71.4548, 75.1760, 81.8667**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8207, 37.6687, 55.4133** is the 20% darker color. If you saturate the color by 10%, you get **74.0873, 60.3536, 94.8864**, and if you desaturate by 10%, it is **87.2581, 85.1677, 103.9862**.

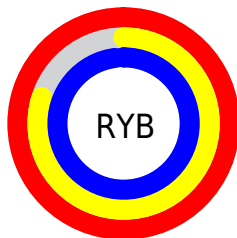
# Distribution



Red (100%)

Green (80%)

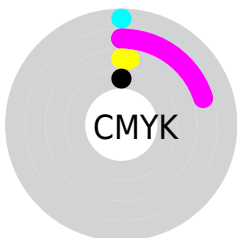
Blue (98%)



Red (100%)

Yellow (80%)

Blue (98%)

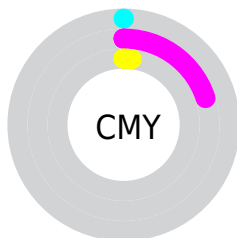


Cyan (0%)

Magenta (20%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1702, 71.7622, 99.2486 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 80.1702, 71.7622, 99.2486 by changing the saturation by 10% instead.




 80.1702, 71.7622,  
99.2486

 80.1702, 71.7622,  
99.2486


484.2340,  
466.7135, 579.0070

 60.1674, 52.9644,  
75.0598


132.5543,  
121.7184, 162.1671

 43.8035, 37.7744,  
55.1598


165.6662,  
153.6456, 201.7338

 30.7133, 25.8076,  
39.1302


203.8786,  
190.7181, 247.2636

 20.5314, 16.6798,  
26.5525

247.5567,  
233.3202, 299.1749

 12.8924, 10.0064,  
17.0079

297.0660,  
281.8365, 357.8864

 7.4310, 5.4032,  
10.0781

352.7717,

 3.7818, 2.4857,

336.6512, 423.8165

5.3445

415.0393,  
398.1487, 497.3839

■ 1.5794, 0.8695,  
2.3885

■ 0.3790, 0.0000,  
0.7802

■ 80.1702, 71.7622,  
99.2486

■ 80.1702, 71.7622,  
99.2486

■ 74.0873, 60.3536,  
94.8864

■ 87.2581, 85.1677,  
103.9862

■ 68.9564, 50.8371,  
90.8787

95.0500, 100.0000,  
108.9000

■ 64.7271, 43.1113,  
87.2095

■ 61.3422, 37.0622,  
83.8596

■ 58.7380, 32.5623,  
80.8075

■ 56.8417, 29.4659,  
78.0289

■ 55.5665, 27.5997,  
75.4945

■ 54.7766, 26.6921,  
73.1590

■ 54.7493, 26.6637,  
73.0689

# Harmonies

## Analogous

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



74.8216, 71.7622, 116.0817



80.1702, 71.7622, 99.2486



82.2812, 71.7622, 78.7694

# Triad

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



80.1702, 71.7622, 99.2486



68.4283, 71.7622, 46.0956



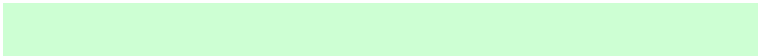
57.3025, 71.7622, 97.9725

# Complementary

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



80.1702, 71.7622, 99.2486



72.6969, 89.2033, 75.0174

# 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.



55.8383, 71.7622, 77.5076



80.1702, 71.7622, 99.2486



61.9958, 71.7622, 49.5185

# Square

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



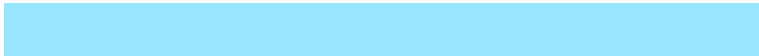
80.1702, 71.7622, 99.2486



75.2281, 71.7622, 49.9854



57.4988, 71.7622, 60.2537



61.6384, 71.7622, 115.2622



# Rectangle

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



80.1702, 71.7622, 99.2486



81.4670, 71.7622, 66.4351



57.4988, 71.7622, 60.2537



56.4715, 71.7622, 91.1378

# Sweetspot

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



80.1718, 71.7651, 99.2501



90.0676, 90.5060, 105.7880



66.7004, 64.7105, 103.5826



19.1671, 19.1607, 22.5723



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.



80.1718, 71.7651, 99.2501



77.3774, 66.5106, 97.2876



76.5504, 70.3165, 80.1799



18.6933, 18.2606, 22.2680



28.6449, 13.9472, 38.3759



2.8144, 1.3681, 3.8701



# Inverse Universe

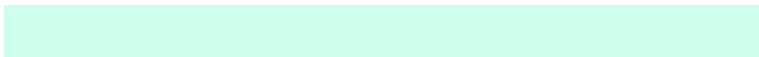
The Inverse Universe completely reimagines the original color for something new.



80.1718, 71.7651, 99.2501



77.3774, 66.5106, 97.2876



76.0549, 90.5465, 92.7004



18.6933, 18.2606, 22.2680



28.6449, 13.9472, 38.3759



2.8144, 1.3681, 3.8701



# Previews

## White Background



This preview shows how the XYZ color 80.1702, 71.7622, 99.2486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

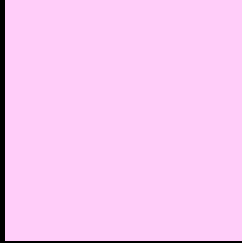
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1702, 71.7622, 99.2486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

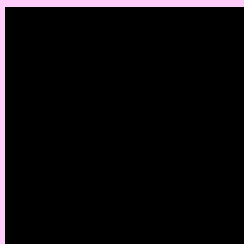
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.1702, 71.7622, 99.2486**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.1702, 71.7622, 99.2486.



This preview shows how white text looks on a background with the XYZ color 80.1702, 71.7622,



# 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

80.1702, 71.7622, 99.2486

### Protanopia

71.1131, 72.1792, 104.7917

### Deuteranopia

73.7221, 72.1393, 98.0344



## Tritanopia

76.5360, 71.7326, 81.0461

# Trichromacy



## Original Color

80.1702, 71.7622, 99.2486



## Protanomaly

74.0893, 71.8430, 102.8907



## Deuteranomaly

75.8341, 71.7166, 98.6527



## Tritanomaly

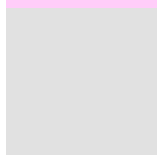
77.9152, 71.9349, 87.6202

# Monochromacy



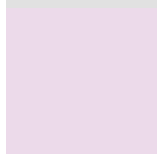
## Original Color

80.1702, 71.7622, 99.2486



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

74.5148, 73.9162, 88.1818

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1702, 71.7622, 99.2486 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, 205, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 249)  
}
```

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, 205, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 80.1702, 71.7622, 99.2486 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, 205, 249) }
```



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

```
.border{ border-color:rgb(255, 205, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.1702, 71.7622, 99.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 249) }
```

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

```
.background{ background-color: rgb(255,  
205, 249) }
```

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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