

# Converting Colors

XYZ(74.9307, 67.7049,  
103.7268)

Have a look what the booklet for  
XYZ(74.9307, 67.7049, 103.7268)  
contains.

<b>XYZ(74.8718, 67.5186, 103.6940)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.8718, 67.5186,  
103.6940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C9FF
RGB	240, 201, 255
RGB Percent	94%, 79%, 100%
CMY	0.0588, 0.2117, 0.0000
CMYK	0.06, 0.21, 0.00, 0.00
HSL	283°, 100%, 89%
HSV	283°, 21%, 100%
XYZ	74.8718, 67.5186, 103.6940
YIQ	218.8170, 5.9100, 25.0620

# Conversions

## Conversions Part 2

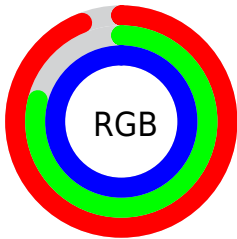
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 201, 255
Decimal	15780351
CIE Lab	85.77, 23.13, -21.31
CIE LCh	86, 31.454, 317.342
Yxy	67.5186, 0.3043, 0.2744
Android (android.graphics.Color)	4293970431 (0xFFFF0C9FF)
YUV	218.8170, 17.8382, 18.5775
Hunter-Lab	82.1697, 18.8495, -17.3022

# Details

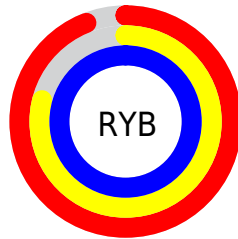
The XYZ color **74.8718, 67.5186, 103.6940** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.6233, 90.3368, 68.7654**, and the grayscale version is **67.0843, 70.5779, 76.8594**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3939, 35.1350, 58.0788** is the 20% darker color. If you saturate the color by 10%, you get **67.0562, 55.3870, 101.7643**, and if you desaturate by 10%, it is **83.7718, 81.6776, 105.9579**.

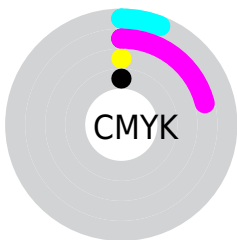
# Distribution



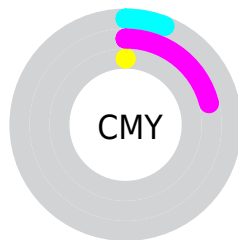
- Red (94%)
- Green (79%)
- Blue (100%)



- Red (94%)
- Yellow (79%)
- Blue (100%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8718, 67.5186, 103.6940 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 74.8718, 67.5186, 103.6940 by changing the saturation by 10% instead.



74.8718, 67.5186,  
103.6940

74.8718, 67.5186,  
103.6940

466.4808,  
451.7885, 593.3197

55.8017, 49.5062,  
78.7551

125.1198,  
115.6632, 168.3204

40.2803, 35.0212,  
58.1744

157.0283,  
146.5642, 208.8450

27.9424, 23.6792,  
41.5332

193.9470,  
182.5301, 255.4018

18.4224, 15.0958,  
28.4131

236.2413,  
223.9455, 308.4095

11.3552, 8.8867,  
18.3956

284.2764,  
271.1946, 368.2867

6.3753, 4.6673,  
11.0620

338.4178,

3.1174, 2.0534,

324.6619, 435.4517

5.9938

399.0308,  
384.7317, 510.3232

■ 1.2162, 0.6382,  
2.7726

■ 0.1191, 0.0000,  
0.9797

■ 74.8718, 67.5186,  
103.6940

■ 74.8718, 67.5186,  
103.6940

■ 67.0562, 55.3870,  
101.7643

■ 83.7718, 81.6776,  
105.9579

■ 60.2696, 45.1766,  
100.1511

■ 93.7968, 97.9468,  
108.5697

■ 54.4600, 36.7840,  
98.8374

95.0500, 100.0000,  
108.9000

■ 49.5683, 30.0926,  
97.8037

■ 45.5285, 24.9721,  
97.0282

■ 42.2649, 21.2726,  
96.4862

■ 39.6867, 18.8145,  
96.1476

■ 37.8574, 17.4311,  
95.9770

# Harmonies

## Analogous

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



68.3780, 67.5186, 118.0829



74.8718, 67.5186, 103.6940



78.6086, 67.5186, 82.5250

# Triad

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



74.8718, 67.5186, 103.6940



67.2474, 67.5186, 41.2938



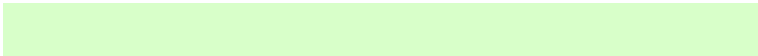
51.8780, 67.5186, 85.9423

# Complementary

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



74.8718, 67.5186, 103.6940



74.6233, 90.3368, 68.7654

# 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.



51.6250, 67.5186, 65.1883



74.8718, 67.5186, 103.6940



60.1467, 67.5186, 41.8658

# Square

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



74.8718, 67.5186, 103.6940



73.9911, 67.5186, 48.1048



54.5478, 67.5186, 49.8476



55.2668, 67.5186, 106.5943



# Rectangle

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



74.8718, 67.5186, 103.6940



78.8634, 67.5186, 68.5786



54.5478, 67.5186, 49.8476



51.4329, 67.5186, 78.6854

# Sweetspot

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



74.8737, 67.5214, 103.6944



88.8155, 89.8265, 107.2649



66.7727, 68.9059, 104.3886



18.8703, 18.9996, 22.9227



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.



74.8737, 67.5214, 103.6944



71.7580, 62.6456, 102.9175



78.3511, 69.5251, 94.3228



18.2719, 18.0319, 22.7674



19.9336, 9.1866, 50.1572



2.0469, 0.9491, 4.8886



# Inverse Universe

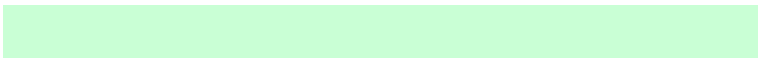
The Inverse Universe completely reimagines the original color for something new.



74.5231, 67.9939, 74.1646



71.4288, 63.2321, 68.7347



71.8216, 88.7274, 76.0949



18.2167, 18.0700, 19.7583



22.1943, 11.3670, 4.4074



2.2049, 1.1243, 0.6606



# Previews

## White Background



This preview shows how the XYZ color 74.8718, 67.5186, 103.6940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

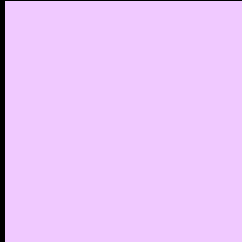
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8718, 67.5186, 103.6940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

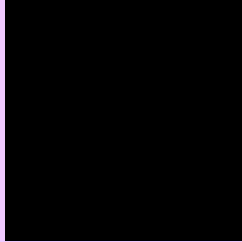
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.8718, 67.5186, 103.6940

## Background



This preview shows how black text looks on a background with the XYZ color 74.8718, 67.5186, 103.6940.



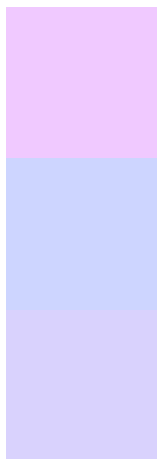
This preview shows how white text looks on a background with the XYZ color 74.8718, 67.5186,

103.6940.

# 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

74.8718, 67.5186, 103.6940

### Protanopia

67.0211, 67.7876, 104.1597

### Deuteranopia

69.3915, 67.9367, 102.3843



## Tritanopia

69.8931, 67.6155, 79.1794

# Trichromacy



## Original Color

74.8718, 67.5186, 103.6940

## Protanomaly

69.7639, 67.7264, 104.0033

## Deuteranomaly

71.2536, 67.7890, 103.0950

## Tritanomaly

71.7518, 67.6653, 87.8762

# Monochromacy



## Original Color

74.8718, 67.5186, 103.6940

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

69.7875, 69.2441, 86.0312

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8718, 67.5186, 103.6940 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(240, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 201, 255)  
}
```

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(240, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 201, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8718, 67.5186, 103.6940 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(240, 201, 255) }
```



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

```
.border{ border-color:rgb(240, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 201,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8718, 67.5186, 103.6940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 201, 255) }
```

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

```
.background{ background-color: rgb(240,  
201, 255) }
```

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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