

# Converting Colors

XYZ(91.3450, 67.8826,  
100.3951)

Have a look what the booklet for  
XYZ(91.3450, 67.8826, 100.3951)  
contains.

|  |    |
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# Color

**XYZ(74.1407, 58.9482,  
99.5660)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FFAFFC                     |
| RGB           | 255, 175, 252              |
| RGB Percent   | 100%, 69%, 99%             |
| CMY           | 0.0000, 0.3137, 0.0118     |
| CMYK          | 0.00, 0.31, 0.01, 0.00     |
| HSL           | 302°, 100%, 84%            |
| HSV           | 302°, 31%, 100%            |
| XYZ           | 74.1407, 58.9482, 99.5660  |
| YIQ           | 207.6980, 22.9630, 40.9070 |

# Conversions

## Conversions Part 2

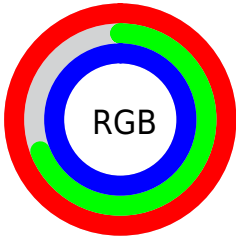
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 175, 252                 |
| Decimal                             | 16756732                      |
| CIE <sub>Lab</sub>                  | 81.26, 41.03, -26.43          |
| CIE <sub>LCh</sub>                  | 81, 48.805, 327.212           |
| Y <sub>xy</sub>                     | 58.9482, 0.3187,<br>0.2534    |
| Android<br>(android.graphics.Color) | 4294946812<br>(0xFFFFAFFC)    |
| Y <sub>UV</sub>                     | 207.6980, 21.8409,<br>41.4839 |
| Hunter-Lab                          | 76.7777, 38.0082,<br>-23.1434 |

# Details

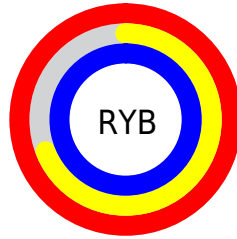
The XYZ color **74.1407, 58.9482, 99.5660** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.4768, 83.8491, 55.0662**, and the grayscale version is **59.6128, 62.7173, 68.2991**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **39.7137, 29.4852, 55.2278** is the 20% darker color. If you saturate the color by 10%, you get **69.4873, 49.8831, 97.2701**, and if you desaturate by 10%, it is **79.7344, 69.8923, 102.1807**.

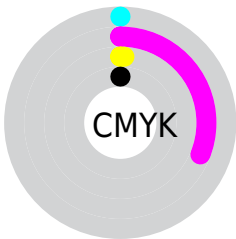
# Distribution



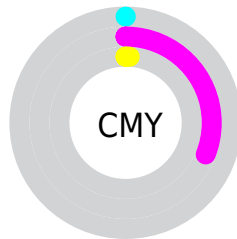
- Red (100%)
- Green (69%)
- Blue (99%)



- Red (100%)
- Yellow (69%)
- Blue (99%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1407, 58.9482, 99.5660 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 74.1407, 58.9482, 99.5660 by changing the saturation by 10% instead.



74.1407, 58.9482,  
99.5660

74.1407, 58.9482,  
99.5660

464.0016,  
420.7099, 580.0351

55.2009, 42.5714,  
75.3233

124.0897,  
103.3024, 162.6073

39.7971, 29.5490,  
55.3744

155.8295,  
132.0486, 202.2430

27.5639, 19.4965,  
39.3010

192.5668,  
165.6867, 247.8467

18.1359, 12.0296,  
26.6843

234.6668,  
204.6011, 299.8370

11.1479, 6.7638,  
17.1059

282.4950,  
249.1763, 358.6325

6.2344, 3.3148,  
10.1473


336.4166,


3.0302, 1.2982,


299.7965, 424.6516


5.3898

396.7970,  
356.8463, 498.3130


 1.1697, 0.1398,  
2.4151


 0.0823, 0.0000,  
0.7946


 74.1407, 58.9482,  
99.5660


 74.1407, 58.9482,  
99.5660


 69.4873, 49.8831,  
97.2701

 79.7344, 69.8923,  
102.1807

 65.7177, 42.5844,  
95.2717

 86.3133, 82.8059,  
105.1269

 62.7748, 36.9381,  
93.5526

 93.9243, 97.7822,  
108.4207

 60.5937, 32.8141,  
92.0912

95.0500, 100.0000,  
108.9000

■ 59.0995, 30.0628,  
90.8625

■ 58.2023, 28.5042,  
89.8366

■ 57.7887, 27.8795,  
89.0745

# Harmonies

## Analogous

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



65.4610, 58.9482, 128.0334



74.1407, 58.9482, 99.5660



77.9332, 58.9482, 66.9494

# Triad

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



74.1407, 58.9482, 99.5660



56.9857, 58.9482, 22.9057



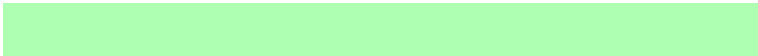
40.3662, 58.9482, 93.3719

# Complementary

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



74.1407, 58.9482, 99.5660



61.4768, 83.8491, 55.0662

# 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.



38.6688, 58.9482, 61.4970



74.1407, 58.9482, 99.5660



47.5486, 58.9482, 26.1336

# Square

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



74.1407, 58.9482, 99.5660



67.3069, 58.9482, 27.6599



41.1360, 58.9482, 38.3689



46.0861, 58.9482, 123.7620



# Rectangle

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



74.1407, 58.9482, 99.5660



76.8750, 58.9482, 48.9893



41.1360, 58.9482, 38.3689



39.3388, 58.9482, 82.2359

# Sweetspot

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



74.1419, 58.9505, 99.5672



88.0225, 86.1661, 105.8756



51.6660, 47.3084, 101.0161



18.6144, 17.9987, 22.5629



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.



74.1419, 58.9505, 99.5672



70.9545, 52.7361, 98.0100



68.4972, 56.6926, 69.8426



18.7615, 18.2879, 22.6273



30.2089, 14.5729, 46.6121



2.9502, 1.4224, 4.5850



# Inverse Universe

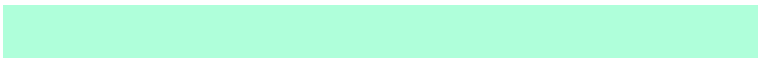
The Inverse Universe completely reimagines the original color for something new.



74.1419, 58.9505, 99.5672



70.9545, 52.7361, 98.0100



66.0521, 85.6793, 79.1594



18.7615, 18.2879, 22.6273



30.2089, 14.5729, 46.6121



2.9502, 1.4224, 4.5850



# Previews

## White Background



This preview shows how the XYZ color 74.1407, 58.9482, 99.5660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

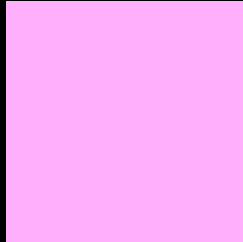
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1407, 58.9482, 99.5660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

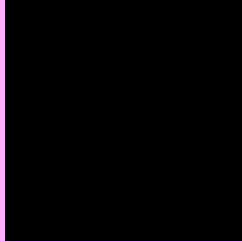
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.1407, 58.9482, 99.5660**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1407, 58.9482, 99.5660.



This preview shows how white text looks on a background with the XYZ color 74.1407, 58.9482,

99.5660.

# 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

74.1407, 58.9482, 99.5660

### Protanopia

59.4433, 59.2199, 102.9053

### Deuteranopia

60.6905, 59.3076, 97.0557



## Tritanopia

66.3692, 58.7779, 61.8801

# Trichromacy



## Original Color

74.1407, 58.9482, 99.5660



## Protanomaly

63.6716, 58.4144, 101.6852



## Deuteranomaly

64.7258, 58.7265, 97.5465



## Tritanomaly

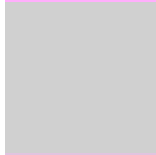
68.9624, 58.6189, 74.0095

# Monochromacy



## Original Color

74.1407, 58.9482, 99.5660



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

64.2458, 60.8692, 78.8838

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1407, 58.9482, 99.5660 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, 175, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 252)  
}
```

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, 175, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1407, 58.9482, 99.5660 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, 175, 252) }
```



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

```
.border{ border-color:rgb(255, 175, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1407, 58.9482, 99.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 252) }
```

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

```
.background{ background-color: rgb(255,  
175, 252) }
```

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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