

# Converting Colors

XYZ(82.9886, 76.7649,  
102.1430)

Have a look what the booklet for  
XYZ(82.9886, 76.7649, 102.1430)  
contains.

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# Color

**XYZ(83.1111, 76.8892,  
102.5561)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFD7FC                     |
| RGB         | 255, 215, 252              |
| RGB Percent | 100%, 84%, 99%             |
| CMY         | 0.0000, 0.1568, 0.0118     |
| CMYK        | 0.00, 0.16, 0.01, 0.00     |
| HSL         | 304°, 100%, 92%            |
| HSV         | 304°, 16%, 100%            |
| XYZ         | 83.1111, 76.8892, 102.5561 |
| YIQ         | 231.1780, 11.9630, 19.9870 |

# Conversions

## Conversions Part 2

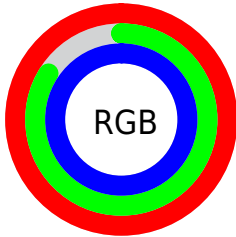
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 215, 252                 |
| Decimal                             | 16766972                      |
| CIE Lab                             | 90.27, 20.06, -12.82          |
| CIE LCh                             | 90, 23.812, 327.417           |
| Yxy                                 | 76.8892, 0.3165,<br>0.2928    |
| Android<br>(android.graphics.Color) | 4294957052<br>(0xFFFFD7FC)    |
| YUV                                 | 231.1780, 10.2652,<br>20.8919 |
| Hunter-Lab                          | 87.6865, 15.7347,<br>-7.9637  |

# Details

The XYZ color **83.1111, 76.8892, 102.5561** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.4416, 91.0302, 79.8745**, and the grayscale version is **76.0095, 79.9679, 87.0851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7098, 41.0875, 57.1513** is the 20% darker color. If you saturate the color by 10%, you get **76.8160, 64.7810, 98.9713**, and if you desaturate by 10%, it is **90.4248, 91.0287, 106.4975**.

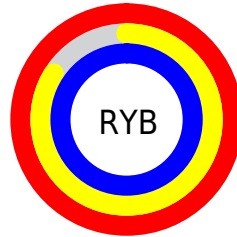
# Distribution



Red (100%)

Green (84%)

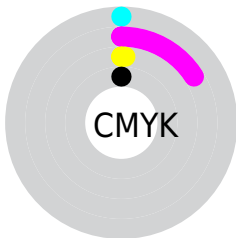
Blue (99%)



Red (100%)

Yellow (84%)

Blue (99%)

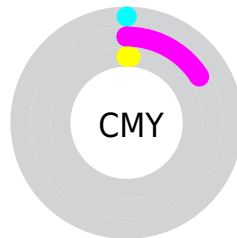


Cyan (0%)

Magenta (16%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1111, 76.8892, 102.5561 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 83.1111, 76.8892, 102.5561 by changing the saturation by 10% instead.




 83.1111, 76.8892,  
102.5561

 83.1111, 76.8892,  
102.5561


493.9350,  
484.3862, 589.6736

 62.5990, 57.1619,  
77.8082

136.6588,  
128.9831, 166.7479

 45.7743, 41.1353,  
57.4009


170.4251,  
162.1185, 207.0288

 32.2716, 28.4248,  
40.9157


209.3402,  
200.4920, 253.3245

 21.7256, 18.6461,  
27.9340

253.7694,  
244.4881, 306.0536

 13.7709, 11.4149,  
18.0373

304.0782,  
294.4912, 365.6344

 8.0421, 6.3466,  
10.8071

360.6318,

 4.1740, 3.0570,

350.8857, 432.4857

5.8247

423.7956,  
414.0558, 507.0259

■ 1.8010, 1.1615,  
2.6717

■ 0.5183, 0.0300,  
0.9291

■ 83.1111, 76.8892,  
102.5561

■ 83.1111, 76.8892,  
102.5561

■ 76.8160, 64.7810,  
98.9713

■ 90.4248, 91.0287,  
106.4975

■ 71.4874, 54.6014,  
95.7227

95.0500, 100.0000,  
108.9000

■ 67.0766, 46.2526,  
92.7949

■ 63.5287, 39.6247,  
90.1697

■ 60.7827, 34.5960,  
87.8267

■ 58.7699, 31.0287,  
85.7428

■ 57.4099, 28.7620,  
83.8914

■ 56.6028, 27.5967,  
82.2390

■ 56.3630, 27.3092,  
81.5665

# Harmonies

## Analogous

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



78.4555, 76.8892, 116.1651



83.1111, 76.8892, 102.5561



85.0680, 76.8892, 85.1991

# Triad

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



83.1111, 76.8892, 102.5561



73.5958, 76.8892, 55.1618



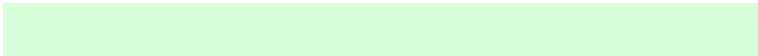
63.4234, 76.8892, 99.6664

# Complementary

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



83.1111, 76.8892, 102.5561



76.4416, 91.0302, 79.8745

# 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.



62.2763, 76.8892, 82.2567



83.1111, 76.8892, 102.5561



67.9575, 76.8892, 57.9587

# Square

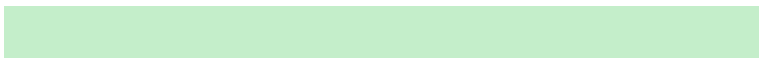
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1111, 76.8892, 102.5561



79.3920, 76.8892, 59.1177



63.8920, 76.8892, 67.3429



67.1134, 76.8892, 114.3445



# Rectangle

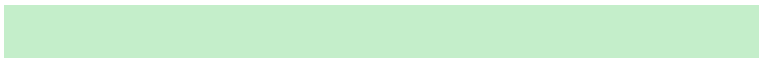
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1111, 76.8892, 102.5561



84.5039, 76.8892, 74.3244



63.8920, 76.8892, 67.3429



62.7366, 76.8892, 93.8743

# Sweetspot

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



83.1129, 76.8923, 102.5577



90.9630, 92.0718, 106.7803



71.1675, 70.6789, 104.4992



19.3515, 19.4778, 22.7932



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.



83.1129, 76.8923, 102.5577



80.9145, 72.6561, 101.3300



80.1553, 75.7093, 86.9836



18.7304, 18.2755, 22.4635



29.4757, 14.2796, 42.7509



2.8868, 1.3971, 4.2511



# Inverse Universe

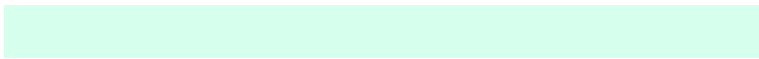
The Inverse Universe completely reimagines the original color for something new.



83.1129, 76.8923, 102.5577



80.9145, 72.6561, 101.3300



79.1701, 92.1216, 94.2429



18.7304, 18.2755, 22.4635



29.4757, 14.2796, 42.7509



2.8868, 1.3971, 4.2511



# Previews

## White Background



This preview shows how the XYZ color 83.1111, 76.8892, 102.5561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

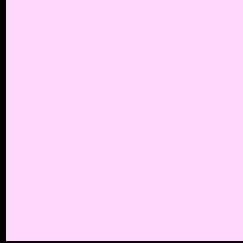
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1111, 76.8892, 102.5561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

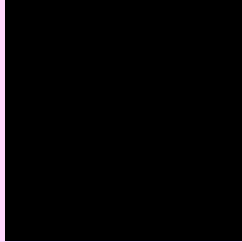
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.1111, 76.8892, 102.5561

## Background



This preview shows how black text looks on a background with the XYZ color 83.1111, 76.8892, 102.5561.



This preview shows how white text looks on a background with the XYZ color 83.1111, 76.8892,



# 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

83.1111, 76.8892, 102.5561

### Protanopia

75.6778, 77.3007, 105.5396

### Deuteranopia

78.8656, 77.0287, 101.9781



## Tritanopia

80.5748, 77.0236, 89.2176

# Trichromacy



## Original Color

83.1111, 76.8892, 102.5561

## Protanomaly

78.2716, 77.0605, 104.5147

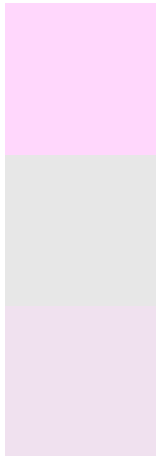
## Deuteranomaly

80.4003, 77.0405, 101.8995

## Tritanomaly

81.5631, 77.0474, 93.7919

# Monochromacy



## Original Color

83.1111, 76.8892, 102.5561

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

78.4404, 78.6077, 92.6999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.1111, 76.8892, 102.5561 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, 215, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 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, 215, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1111, 76.8892, 102.5561 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, 215, 252) }
```



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

```
.border{ border-color:rgb(255, 215, 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, 215, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1111, 76.8892, 102.5561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 252) }
```

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

```
.background{ background-color: rgb(255,  
215, 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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