

# Converting Colors

XYZ(76.7145, 70.4240,  
104.1576)

Have a look what the booklet for  
XYZ(76.7145, 70.4240, 104.1576)  
contains.

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# **Color**

**XYZ(76.9808, 70.7229,  
104.2013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CFFF
RGB	242, 207, 255
RGB Percent	95%, 81%, 100%
CMY	0.0510, 0.1882, 0.0000
CMYK	0.05, 0.19, 0.00, 0.00
HSL	284°, 100%, 91%
HSV	284°, 19%, 100%
XYZ	76.9808, 70.7229, 104.2013
YIQ	222.9370, 5.4520, 22.3480

# Conversions

## Conversions Part 2

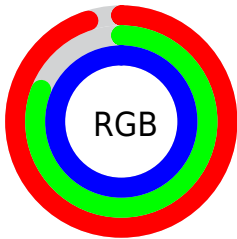
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 207, 255
Decimal	15912959
CIE Lab	87.35, 20.60, -18.90
CIE LCh	87, 27.954, 317.456
Yxy	70.7229, 0.3056, 0.2808
Android (android.graphics.Color)	4294103039 (0xFFFF2CFFF)
YUV	222.9370, 15.8071, 16.7183
Hunter-Lab	84.0969, 16.2261, -14.5962

# Details

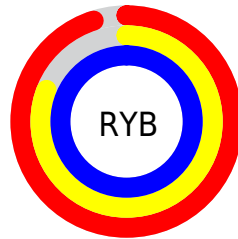
The XYZ color **76.9808, 70.7229, 104.2013** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.5394, 91.2414, 72.6122**, and the grayscale version is **69.9849, 73.6296, 80.1826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8340, 37.2988, 58.4206** is the 20% darker color. If you saturate the color by 10%, you get **68.9695, 58.1522, 102.1971**, and if you desaturate by 10%, it is **86.0832, 85.3410, 106.5431**.

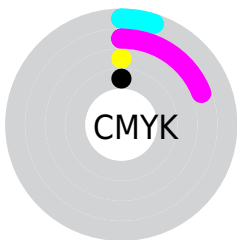
# Distribution



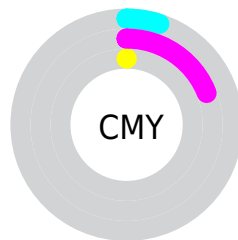
- Red (95%)
- Green (81%)
- Blue (100%)



- Red (95%)
- Yellow (81%)
- Blue (100%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9808, 70.7229, 104.2013 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 76.9808, 70.7229, 104.2013 by changing the saturation by 10% instead.



76.9808, 70.7229,  
104.2013

76.9808, 70.7229,  
104.2013

473.5915,  
463.0842, 594.9414

57.5370, 52.1161,  
79.1775

128.0854,  
120.2391, 169.0209

41.6783, 37.0976,  
58.5196

160.4768,  
151.9173, 209.6537

29.0395, 25.2831,  
41.8090

197.9149,  
188.7213, 256.3267

19.2551, 16.2881,  
28.6273

240.7649,  
231.0357, 309.4582

11.9599, 9.7282,  
18.5559

289.3922,  
279.2448, 369.4669

6.7884, 5.2191,  
11.1763

344.1622,

3.3753, 2.3764,

333.7330, 436.7713

6.0699

405.4401,  
394.8846, 511.7900

■ 1.3552, 0.8137,  
2.8181

■ 0.2239, 0.0000,  
1.0025

■ 76.9808, 70.7229,  
104.2013

■ 76.9808, 70.7229,  
104.2013

■ 68.9695, 58.1522,  
102.1971

■ 86.0832, 85.3410,  
106.5431

■ 61.9946, 47.5238,  
100.5133

95.0500, 100.0000,  
108.9000

■ 56.0054, 38.7368,  
99.1329

■ 50.9442, 31.6773,  
98.0370

■ 46.7468, 26.2187,  
97.2046

■ 43.3404, 22.2163,  
96.6116

■ 40.6384, 19.4991,  
96.2296

■ 38.5161, 17.8191,  
96.0171

■ 38.2852, 17.6516,  
95.9970

# Harmonies

## Analogous

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



71.0878, 70.7229, 117.0093



76.9808, 70.7229, 104.2013



80.3443, 70.7229, 85.1479

# Triad

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



76.9808, 70.7229, 104.2013



70.0061, 70.7229, 46.7699



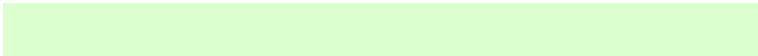
55.8566, 70.7229, 88.3959

# Complementary

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



76.9808, 70.7229, 104.2013



76.5394, 91.2414, 72.6122

# Split Complementary

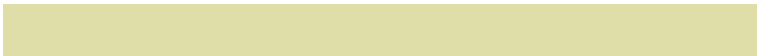
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.6089, 70.7229, 69.3989



76.9808, 70.7229, 104.2013



63.4951, 70.7229, 47.3488

# Square

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



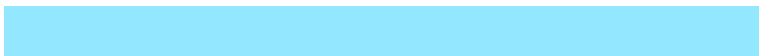
76.9808, 70.7229, 104.2013



76.1446, 70.7229, 53.2716



58.3212, 70.7229, 55.0078



59.0215, 70.7229, 106.9109



# Rectangle

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



76.9808, 70.7229, 104.2013



80.5643, 70.7229, 72.3977



58.3212, 70.7229, 55.0078



55.4371, 70.7229, 81.8042

# Sweetspot

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



76.9828, 70.7258, 104.2018



88.8538, 89.8463, 107.2667



69.5356, 71.9901, 104.8383



18.8794, 19.0043, 22.9231



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.



76.9828, 70.7258, 104.2018



73.5048, 65.2289, 103.3241



79.9747, 72.4565, 95.8377



18.2847, 18.0385, 22.7680



20.1552, 9.3008, 50.1675



2.0670, 0.9595, 4.8895



# Inverse Universe

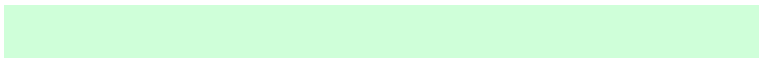
The Inverse Universe completely reimagines the original color for something new.



76.4728, 71.0557, 77.3971



72.9721, 65.6632, 71.2703



74.0707, 89.8170, 79.3541



18.2114, 18.0679, 19.7305



22.1640, 11.3549, 4.2482

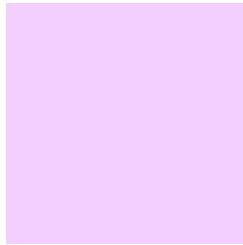


2.2014, 1.1229, 0.6420



# Previews

## White Background



This preview shows how the XYZ color 76.9808, 70.7229, 104.2013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

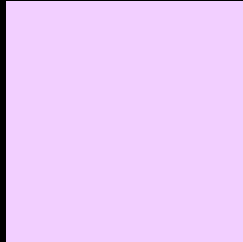
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9808, 70.7229, 104.2013 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 76.9808, 70.7229, 104.2013

## Background



This preview shows how black text looks on a background with the XYZ color 76.9808, 70.7229, 104.2013.



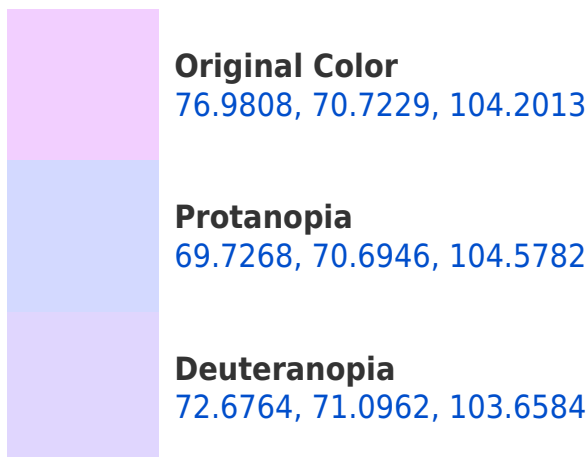
This preview shows how white text looks on a background with the XYZ color 76.9808, 70.7229,



# 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





## Tritanopia

72.8070, 70.8655, 83.2399

# Trichromacy



## Original Color

76.9808, 70.7229, 104.2013

## Protanomaly

71.9685, 70.3381, 104.3912

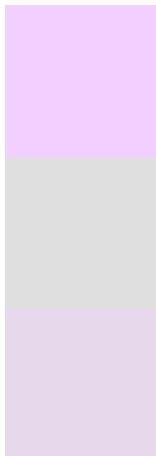
## Deuteranomaly

74.1387, 70.7332, 103.5113

## Tritanomaly

74.0758, 70.6170, 90.6151

# Monochromacy



## Original Color

76.9808, 70.7229, 104.2013

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

72.4414, 72.4469, 88.7628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9808, 70.7229, 104.2013 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(242, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 207, 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(242, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9808, 70.7229, 104.2013 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(242, 207, 255) }
```



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

```
.border{ border-color:rgb(242, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9808, 70.7229, 104.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 207, 255) }
```

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

```
.background{ background-color: rgb(242,  
207, 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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