

# Converting Colors

XYZ(80.1848, 76.4223,  
108.0234)

Have a look what the booklet for  
XYZ(80.1848, 76.4223, 108.0234)  
contains.

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# Color

**XYZ(79.7394, 76.2401,  
105.1208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DAFF
RGB	242, 218, 255
RGB Percent	95%, 85%, 100%
CMY	0.0510, 0.1451, 0.0000
CMYK	0.05, 0.15, 0.00, 0.00
HSL	279°, 100%, 93%
HSV	279°, 15%, 100%
XYZ	79.7394, 76.2401, 105.1208
YIQ	229.3940, 2.4270, 16.5950

# Conversions

## Conversions Part 2

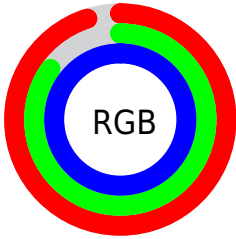
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 218, 255
Decimal	15915775
CIE <sub>Lab</sub>	89.97, 14.80, -14.96
CIE <sub>LCh</sub>	90, 21.046, 314.693
Yxy	76.2401, 0.3054, 0.2920
Android (android.graphics.Color)	4294105855 (0xFFFF2DAFF)
YUV	229.3940, 12.6238, 11.0555
Hunter-Lab	87.3156, 10.2097, -10.2594

# Details

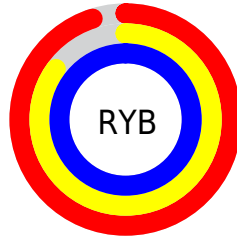
The XYZ color **79.7394, 76.2401, 105.1208** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.3717, 93.5718, 80.1059**, and the grayscale version is **74.6768, 78.5659, 85.5582**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5399, 40.7107, 58.9892** is the 20% darker color. If you saturate the color by 10%, you get **70.6290, 62.4725, 102.9436**, and if you desaturate by 10%, it is **90.0219, 92.1262, 107.6452**.

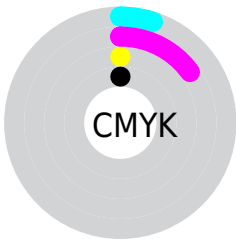
# Distribution



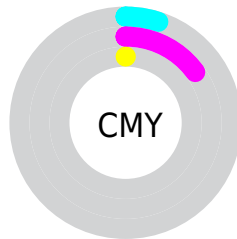
- Red (95%)
- Green (85%)
- Blue (100%)



- Red (95%)
- Yellow (85%)
- Blue (100%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7394, 76.2401, 105.1208 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 79.7394, 76.2401, 105.1208 by changing the saturation by 10% instead.



79.7394, 76.2401,  
105.1208

79.7394, 76.2401,  
105.1208

482.8041,  
482.1692, 597.8750

59.8117, 56.6294,  
79.9433

131.9517,  
128.0662, 170.2897

43.5157, 40.7078,  
59.1458

164.9670,  
161.0505, 211.1183

30.4862, 28.0908,  
42.3097

203.0756,  
199.2614, 258.0010

20.3579, 18.3941,  
29.0165

246.6427,  
243.0833, 311.3563

12.7652, 11.2333,  
18.8476

296.0337,  
292.9006, 371.6028

7.3429, 6.2240,  
11.3845

351.6141,

3.7257, 2.9818,

349.0978, 439.1591

6.2087

413.7491,  
412.0592, 514.4436

■ 1.5482, 1.1222,  
2.9016

■ 0.3583, 0.0000,  
1.0446

■ 79.7394, 76.2401,  
105.1208

■ 79.7394, 76.2401,  
105.1208

■ 70.6290, 62.4725,  
102.9436

■ 90.0219, 92.1262,  
107.6452

■ 62.6360, 50.7200,  
101.0964

95.0500, 100.0000,  
108.9000

■ 55.7103, 40.8850,  
99.5631

■ 49.7953, 32.8574,  
98.3254

■ 44.8286, 26.5159,  
97.3631

■ 40.7402, 21.7238,  
96.6536

■ 37.4488, 18.3223,  
96.1705

■ 34.8554, 16.1167,  
95.8815

■ 33.6516, 15.2629,  
95.7801

# Harmonies

## Analogous

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



75.0343, 76.2401, 113.9676



79.7394, 76.2401, 105.1208



82.5608, 76.2401, 90.8180

# Triad

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



79.7394, 76.2401, 105.1208



75.1405, 76.2401, 58.3038



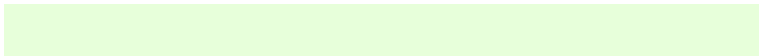
63.2004, 76.2401, 90.5033

# Complementary

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



79.7394, 76.2401, 105.1208



81.3717, 93.5718, 80.1059

# 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.



63.2257, 76.2401, 75.6675



79.7394, 76.2401, 105.1208



69.9529, 76.2401, 58.2410

# Square

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



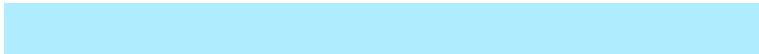
79.7394, 76.2401, 105.1208



79.8203, 76.2401, 64.4273



65.6450, 76.2401, 64.2440



65.5740, 76.2401, 104.8667



# Rectangle

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



79.7394, 76.2401, 105.1208



82.9123, 76.2401, 80.6874



65.6450, 76.2401, 64.2440



62.9324, 76.2401, 85.3818

# Sweetspot

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



79.7415, 76.2433, 105.1213



90.5757, 92.9905, 107.7828



75.7009, 79.5978, 105.9818



19.2115, 19.6301, 23.0264



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.



79.7415, 76.2433, 105.1213



77.3629, 72.6170, 104.5468



83.5787, 78.3120, 101.2086



18.1370, 17.9624, 22.7611



17.7516, 8.0617, 50.0550



1.8468, 0.8460, 4.8792



# Inverse Universe

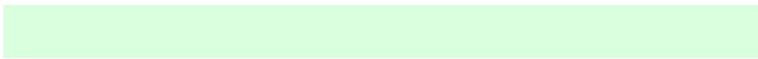
The Inverse Universe completely reimagines the original color for something new.



80.7371, 77.1754, 86.2449



78.5448, 73.7116, 82.6750



77.9860, 91.7507, 83.3676



18.2729, 18.0925, 20.0543



22.5678, 11.5164, 6.3744

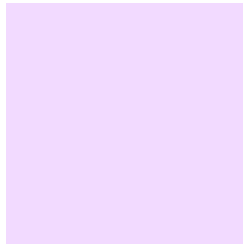


2.2468, 1.1411, 0.8812



# Previews

## White Background



This preview shows how the XYZ color 79.7394, 76.2401, 105.1208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

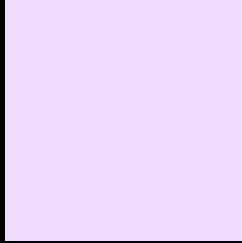
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7394, 76.2401, 105.1208 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 79.7394, 76.2401, 105.1208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7394, 76.2401, 105.1208.



This preview shows how white text looks on a background with the XYZ color 79.7394, 76.2401,



# 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

79.7394, 76.2401, 105.1208

### Protanopia

74.7940, 76.4426, 105.4206

### Deuteranopia

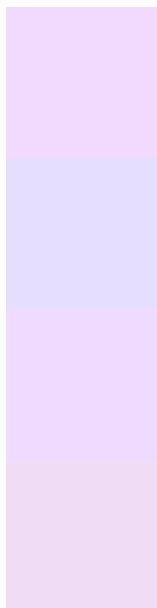
77.9041, 76.0686, 105.1845



## Tritanopia

76.8857, 76.2367, 91.5518

# Trichromacy



## Original Color

79.7394, 76.2401, 105.1208

## Protanomaly

76.4844, 76.1206, 105.2693

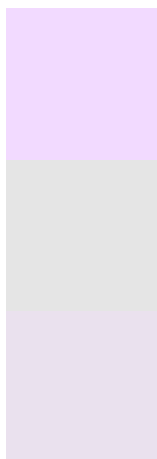
## Deuteranomaly

78.6414, 76.0602, 105.1440

## Tritanomaly

77.8575, 76.2433, 96.2008

# Monochromacy



## Original Color

79.7394, 76.2401, 105.1208

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

76.2895, 77.5159, 91.8301

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7394, 76.2401, 105.1208 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 218, 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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7394, 76.2401, 105.1208 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, 218, 255) }
```



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

```
.border{ border-color:rgb(242, 218, 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, 218, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7394, 76.2401, 105.1208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 218, 255) }
```

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

```
.background{ background-color: rgb(242,  
218, 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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