

# Converting Colors

XYZ(84.1958, 78.3731,  
112.4873)

Have a look what the booklet for  
XYZ(84.1958, 78.3731, 112.4873)  
contains.

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# Color

**XYZ(82.9051, 77.8720,  
105.2690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBD AFF
RGB	251, 218, 255
RGB Percent	98%, 85%, 100%
CMY	0.0157, 0.1451, 0.0000
CMYK	0.02, 0.15, 0.00, 0.00
HSL	294°, 100%, 93%
HSV	294°, 15%, 100%
XYZ	82.9051, 77.8720, 105.2690
YIQ	232.0850, 7.7910, 18.5030

# Conversions

## Conversions Part 2

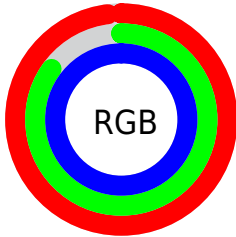
Format	Color
R <sub>Y</sub> B	251, 218, 255
Decimal	16505599
CIE Lab	90.72, 17.73, -13.76
CIE LCh	91, 22.439, 322.179
Yxy	77.8720, 0.3116, 0.2927
Android (android.graphics.Color)	4294695679 (0xFFFFBDAFF)
YUV	232.0850, 11.2971, 16.5885
Hunter-Lab	88.2451, 13.2694, -8.9564

# Details

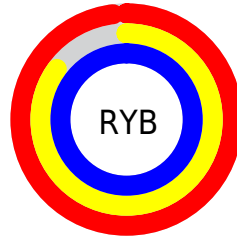
The XYZ color **82.9051, 77.8720, 105.2690** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.5409, 92.1124, 79.9734**, and the grayscale version is **76.6812, 80.6746, 87.8547**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5384, 41.7409, 59.0828** is the 20% darker color. If you saturate the color by 10%, you get **75.8095, 65.1431, 103.1860**, and if you desaturate by 10%, it is **91.0365, 92.6494, 107.6927**.

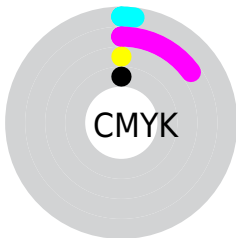
# Distribution



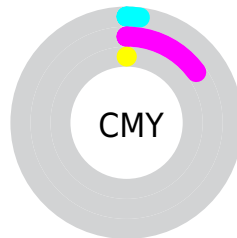
- Red (98%)
- Green (85%)
- Blue (100%)



- Red (98%)
- Yellow (85%)
- Blue (100%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9051, 77.8720, 105.2690 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 82.9051, 77.8720, 105.2690 by changing the saturation by 10% instead.




 82.9051, 77.8720,  
105.2690

 82.9051, 77.8720,  
105.2690


493.2589,  
487.7320, 598.3471

 62.4285, 57.9688,  
80.0668


136.3718,  
130.3697, 170.4941

 45.6359, 41.7836,  
59.2469


170.0925,  
163.7330, 211.3542

 32.1620, 28.9319,  
42.3905

208.9587,  
202.3518, 258.2706

 21.6414, 19.0293,  
29.0794

253.3358,  
246.6104, 311.6619

 13.7088, 11.6914,  
18.8948

303.5889,  
296.8934, 371.9467

 7.9988, 6.5339,  
11.4182

360.0836,

 4.1460, 3.1724,

353.5851, 439.5434

6.2312

423.1851,  
417.0698, 514.8707

■ 1.7850, 1.2224,  
2.9151

■ 0.5086, 0.0799,  
1.0515

■ 82.9051, 77.8720,  
105.2690

■ 82.9051, 77.8720,  
105.2690

■ 75.8095, 65.1431,  
103.1860

■ 91.0365, 92.6494,  
107.6927

■ 69.6972, 54.3602,  
101.4269

95.0500, 100.0000,  
108.9000

■ 64.5201, 45.4266,  
99.9754

■ 60.2239, 38.2336,  
98.8134

■ 56.7484, 32.6608,  
97.9209

■ 54.0258, 28.5728,  
97.2754

■ 51.9772, 25.8119,  
96.8504

■ 50.5059, 24.1849,  
96.6139

■ 49.8680, 23.6228,  
96.5391

# Harmonies

## Analogous

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



78.1797, 77.8720, 116.8808



82.9051, 77.8720, 105.2690



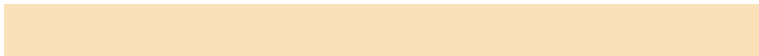
85.2727, 77.8720, 89.0810

# Triad

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



82.9051, 77.8720, 105.2690



75.4987, 77.8720, 57.6207



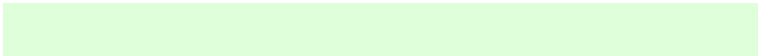
64.4312, 77.8720, 97.0472

# Complementary

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



82.9051, 77.8720, 105.2690



78.5409, 92.1124, 79.9734

# 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.



63.7945, 77.8720, 80.6378



82.9051, 77.8720, 105.2690



70.0009, 77.8720, 59.1858

# Square

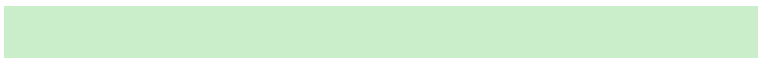
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9051, 77.8720, 105.2690



80.8575, 77.8720, 62.5699



65.7843, 77.8720, 67.1546



67.5699, 77.8720, 111.7300



# Rectangle

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



82.9051, 77.8720, 105.2690



85.1156, 77.8720, 78.4119



65.7843, 77.8720, 67.1546



63.9241, 77.8720, 91.5036

# Sweetspot

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



82.9072, 77.8753, 105.2695



91.4775, 93.4554, 107.8251



73.1719, 74.5398, 105.1388



19.4403, 19.7481, 23.0371



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.



82.9072, 77.8753, 105.2695



81.0434, 74.5144, 104.7190



82.1630, 77.7457, 93.7532



18.5879, 18.1948, 22.7822



26.1350, 12.3836, 50.4474



2.5977, 1.2331, 4.9144



# Inverse Universe

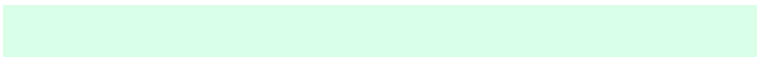
The Inverse Universe completely reimagines the original color for something new.



79.4981, 76.6798, 79.7205



77.1341, 73.1474, 75.2465



79.2671, 92.2631, 90.1138



18.0892, 18.0190, 19.0866



21.6811, 11.1617, 1.7052



2.1359, 1.0967, 0.2970



# Previews

## White Background



This preview shows how the XYZ color 82.9051, 77.8720, 105.2690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

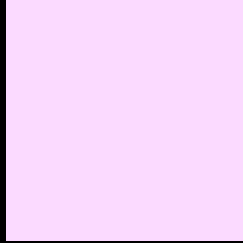
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9051, 77.8720, 105.2690 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 82.9051, 77.8720, 105.2690

## Background



This preview shows how black text looks on a background with the XYZ color 82.9051, 77.8720, 105.2690.



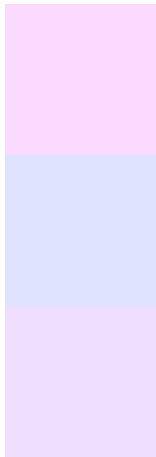
This preview shows how white text looks on a background with the XYZ color 82.9051, 77.8720,



# 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

82.9051, 77.8720, 105.2690

### Protanopia

76.2596, 78.0055, 105.6450

### Deuteranopia

79.6073, 77.7490, 104.5772



## **Tritanopia**

80.3560, 78.0257, 91.7142

# Trichromacy



## Original Color

82.9051, 77.8720, 105.2690

## Protanomaly

78.6373, 78.0237, 105.5232

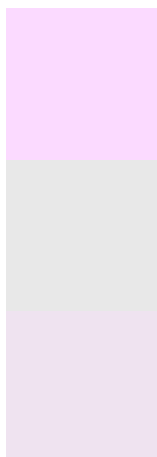
## Deuteranomaly

80.7080, 77.9233, 104.5529

## Tritanomaly

81.3467, 78.0420, 96.3641

# Monochromacy



## Original Color

82.9051, 77.8720, 105.2690

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

78.7939, 79.5802, 93.6457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9051, 77.8720, 105.2690 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(251, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9051, 77.8720, 105.2690 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(251, 218, 255) }
```



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

```
.border{ border-color:rgb(251, 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(251, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9051, 77.8720, 105.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 218, 255) }
```

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

```
.background{ background-color: rgb(251,  
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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