

# Converting Colors

XYZ(78.3608, 67.5804,  
103.5220)

Have a look what the booklet for  
XYZ(78.3608, 67.5804, 103.5220)  
contains.

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# Color

**XYZ(78.2979, 67.5825,  
103.5257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDC4FF
RGB	253, 196, 255
RGB Percent	99%, 77%, 100%
CMY	0.0078, 0.2314, 0.0000
CMYK	0.01, 0.23, 0.00, 0.00
HSL	298°, 100%, 88%
HSV	298°, 23%, 100%
XYZ	78.2979, 67.5825, 103.5257
YIQ	219.7690, 15.0330, 30.4330

# Conversions

## Conversions Part 2

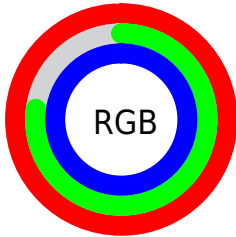
Format	Color
R <sub>Y</sub> B	253, 196, 255
Decimal	16631039
CIE Lab	85.80, 29.93, -21.15
CIE LCh	86, 36.651, 324.752
Yxy	67.5825, 0.3139, 0.2710
Android (android.graphics.Color)	4294821119 (0xFFFDC4FF)
YUV	219.7690, 17.3689, 29.1436
Hunter-Lab	82.2086, 26.1437, -17.1182

# Details

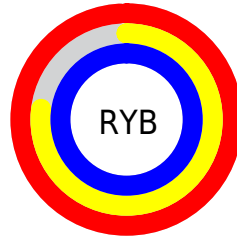
The XYZ color **78.2979, 67.5825, 103.5257** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.0142, 87.5121, 65.4820**, and the grayscale version is **67.7437, 71.2716, 77.6148**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **42.6310, 35.1590, 57.9655** is the 20% darker color. If you saturate the color by 10%, you get **72.7145, 56.8806, 101.7543**, and if you desaturate by 10%, it is **84.8640, 80.2458, 105.6239**.

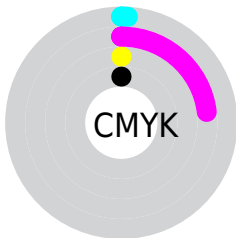
# Distribution



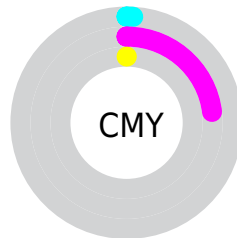
- Red (99%)
- Green (77%)
- Blue (100%)



- Red (99%)
- Yellow (77%)
- Blue (100%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2979, 67.5825, 103.5257 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 78.2979, 67.5825, 103.5257 by changing the saturation by 10% instead.



78.2979, 67.5825,  
103.5257

78.2979, 67.5825,  
103.5257

478.0023,  
452.0154, 592.7812

58.6224, 49.5582,  
78.6150

129.9331,  
115.7547, 168.0879

42.5544, 35.0624,  
58.0599

162.6235,  
146.6713, 208.5765

29.7286, 23.7110,  
41.4418

200.3829,  
182.6541, 255.0948

19.7798, 15.1194,  
28.3421

243.5767,  
224.0876, 308.0614

12.3424, 8.9032,  
18.3424

292.5701,  
271.3560, 367.8948

7.0512, 4.6781,  
11.0241

347.7286,

3.5407, 2.0597,

324.8439, 435.0135

5.9687

409.4176,  
384.9355, 509.8361

■ 1.4457, 0.6418,  
2.7576

■ 0.2885, 0.0000,  
0.9722

■ 78.2979, 67.5825,  
103.5257

■ 78.2979, 67.5825,  
103.5257

■ 72.7145, 56.8806,  
101.7543

■ 84.8640, 80.2458,  
105.6239

■ 68.0587, 48.0327,  
100.2919

■ 92.4529, 94.9537,  
108.0628

■ 64.2787, 40.9342,  
99.1210

95.0500, 100.0000,  
108.9000

■ 61.3152, 35.4667,  
98.2218

■ 59.1017, 31.4971,  
97.5723

■ 57.5612, 28.8715,  
97.1467

■ 56.6002, 27.4027,  
96.9138

■ 56.1831, 26.8783,  
96.8346

# Harmonies

## Analogous

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



71.2132, 67.5825, 123.8913



78.2979, 67.5825, 103.5257



81.6347, 67.5825, 77.8832

# Triad

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



78.2979, 67.5825, 103.5257



65.7186, 67.5825, 36.5638



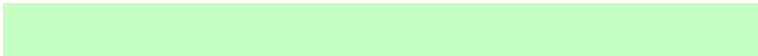
50.6981, 67.5825, 94.6245

# Complementary

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



78.2979, 67.5825, 103.5257



69.0142, 87.5121, 65.4820

# 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.



49.5022, 67.5825, 69.4495



78.2979, 67.5825, 103.5257



57.7285, 67.5825, 39.1587

# Square

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



78.2979, 67.5825, 103.5257



73.9798, 67.5825, 41.9933



51.9659, 67.5825, 50.0586



55.3861, 67.5825, 118.0195



# Rectangle

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



78.2979, 67.5825, 103.5257



81.0925, 67.5825, 62.4601



51.9659, 67.5825, 50.0586



49.8926, 67.5825, 85.9600

# Sweetspot

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



78.2998, 67.5854, 103.5262



89.3955, 89.0208, 107.0788



61.2296, 59.7829, 102.9198



19.0352, 18.8619, 22.8874



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.



78.2998, 67.5854, 103.5262



75.4633, 62.1392, 102.6245



75.0477, 66.3690, 82.5837



18.7282, 18.2672, 22.7888



29.3840, 14.0585, 50.5994



2.8793, 1.3783, 4.9275



# Inverse Universe

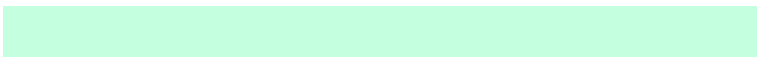
The Inverse Universe completely reimagines the original color for something new.



71.1747, 64.8198, 62.1887



67.1624, 58.9210, 54.2978



71.7855, 88.5602, 82.8069



18.0343, 17.9970, 18.7979



21.5843, 11.1230, 1.1954



2.1100, 1.0864, 0.1605



# Previews

## White Background



This preview shows how the XYZ color 78.2979, 67.5825, 103.5257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

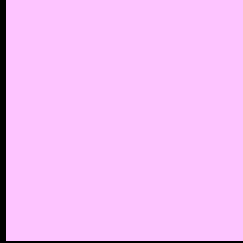
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2979, 67.5825, 103.5257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

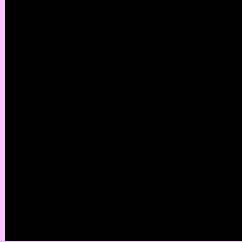
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.2979, 67.5825, 103.5257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.2979, 67.5825, 103.5257.



This preview shows how white text looks on a background with the XYZ color 78.2979, 67.5825,



# 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

78.2979, 67.5825, 103.5257

### Protanopia

67.0211, 67.7876, 104.1597

### Deuteranopia

69.2326, 67.8732, 101.5473



## Tritanopia

72.7222, 67.7303, 75.5700

# Trichromacy



## Original Color

78.2979, 67.5825, 103.5257



## Protanomaly

70.4870, 67.3752, 103.8974



## Deuteranomaly

72.1941, 67.5775, 102.1672



## Tritanomaly

74.5024, 67.4021, 84.6845

# Monochromacy



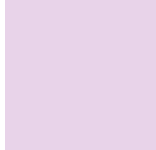
## Original Color

78.2979, 67.5825, 103.5257



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

71.2810, 69.6275, 86.7733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2979, 67.5825, 103.5257 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(253, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 196, 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(253, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 196, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2979, 67.5825, 103.5257 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(253, 196, 255) }
```



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

```
.border{ border-color:rgb(253, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 196,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2979, 67.5825, 103.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 196, 255) }
```

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

```
.background{ background-color: rgb(253,  
196, 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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