

# Converting Colors

XYZ(78.1211, 68.8193, 95.0037)

Have a look what the booklet for  
XYZ(78.1211, 68.8193, 95.0037)  
contains.

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# Color

**XYZ(77.9926, 68.6385,  
94.7259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC7F4
RGB	255, 199, 244
RGB Percent	100%, 78%, 96%
CMY	0.0000, 0.2196, 0.0431
CMYK	0.00, 0.22, 0.04, 0.00
HSL	312°, 100%, 89%
HSV	312°, 22%, 100%
XYZ	77.9926, 68.6385, 94.7259
YIQ	220.8740, 18.9310, 25.8670

# Conversions

## Conversions Part 2

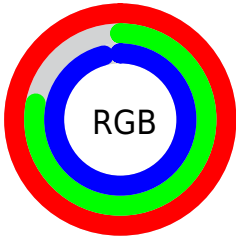
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 199, 244
Decimal	16762868
CIE <sub>Lab</sub>	86.32, 27.05, -14.50
CIE <sub>LCh</sub>	86, 30.692, 331.798
Yxy	68.6385, 0.3231, 0.2844
Android (android.graphics.Color)	4294952948 (0xFFFFC7F4)
YUV	220.8740, 11.4011, 29.9285
Hunter-Lab	82.8484, 23.0535, -9.7963

# Details

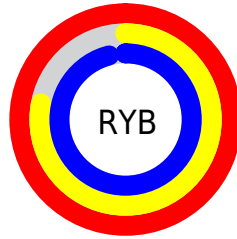
The XYZ color **77.9926, 68.6385, 94.7259** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.9481, 88.3163, 74.2831**, and the grayscale version is **68.5536, 72.1237, 78.5427**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4912, 35.8874, 52.2644** is the 20% darker color. If you saturate the color by 10%, you get **71.8596, 57.5730, 88.9808**, and if you desaturate by 10%, it is **85.1323, 81.6838, 100.9104**.

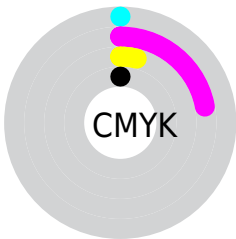
# Distribution



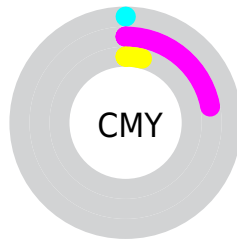
- Red (100%)
- Green (78%)
- Blue (96%)



- Red (100%)
- Yellow (78%)
- Blue (96%)



- Cyan (0%)
- Magenta (22%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9926, 68.6385, 94.7259 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 77.9926, 68.6385, 94.7259 by changing the saturation by 10% instead.




 77.9926, 68.6385,  
94.7259

 77.9926, 68.6385,  
94.7259


476.9819,  
455.7549, 564.2490

 58.3707, 50.4174,  
71.3112


129.5051,  
117.2651, 155.8782

 42.3511, 35.7451,  
52.1128

162.1264,  
148.4393, 194.4529

 29.5686, 24.2374,  
36.7122


199.8115,  
184.7001, 238.9180

 19.6578, 15.5098,  
24.6907

242.9258,  
226.4317, 289.6921

 12.2534, 9.1780,  
15.6298

291.8346,  
274.0186, 347.1937

 6.9899, 4.8575,  
9.1111

346.9033,

 3.5021, 2.1639,

327.8452, 411.8414

4.7159

408.4973,  
388.2958, 484.0536

■ 1.4245, 0.7002,  
2.0258

■ 0.2736, 0.0000,  
0.5710

■ 77.9926, 68.6385,  
94.7259

■ 77.9926, 68.6385,  
94.7259

■ 71.8596, 57.5730,  
88.9808

■ 85.1323, 81.6838,  
100.9104

■ 66.6797, 48.3812,  
83.6536

■ 93.3198, 96.7918,  
107.5461

■ 62.4011, 40.9593,  
78.7273

95.0500, 100.0000,  
108.9000

■ 58.9651, 35.1904,  
74.1814

■ 56.3061, 30.9433,  
69.9932

■ 54.3482, 28.0668,  
66.1366

■ 53.0003, 26.3788,  
62.5804

■ 52.2488, 25.6635,  
59.9013

# Harmonies

## Analogous

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



72.6816, 68.6385, 113.0299



77.9926, 68.6385, 94.7259



79.8204, 68.6385, 73.5186

# Triad

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



77.9926, 68.6385, 94.7259



64.8125, 68.6385, 42.1358



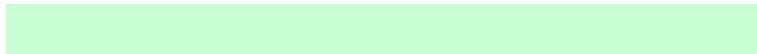
54.3346, 68.6385, 97.2300

# Complementary

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



77.9926, 68.6385, 94.7259



70.9481, 88.3163, 74.2831

# 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.



52.5509, 68.6385, 75.9660



77.9926, 68.6385, 94.7259



58.3223, 68.6385, 46.2448

# Square

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



77.9926, 68.6385, 94.7259



71.8892, 68.6385, 45.3619



53.9572, 68.6385, 57.7764



59.0118, 68.6385, 114.6499



# Rectangle

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



77.9926, 68.6385, 94.7259



78.7192, 68.6385, 61.1673



53.9572, 68.6385, 57.7764



53.3926, 68.6385, 90.1753

# Sweetspot

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



77.9941, 68.6412, 94.7273



89.0582, 88.9115, 104.1432



64.8461, 61.6644, 103.0924



18.9568, 18.8365, 22.2054



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.



77.9941, 68.6412, 94.7273



75.3967, 63.9357, 92.3533



74.1550, 67.1056, 74.5109



18.6307, 18.2356, 21.9384



27.3552, 13.4314, 31.5846



2.7007, 1.3227, 3.2713



# Inverse Universe

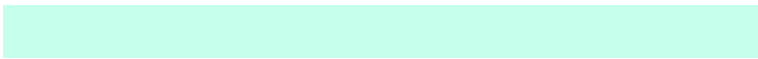
The Inverse Universe completely reimagines the original color for something new.



77.9941, 68.6412, 94.7273



75.3967, 63.9357, 92.3533



74.6400, 89.7930, 93.7244



18.6307, 18.2356, 21.9384



27.3552, 13.4314, 31.5846



2.7007, 1.3227, 3.2713



# Previews

## White Background



This preview shows how the XYZ color 77.9926, 68.6385, 94.7259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

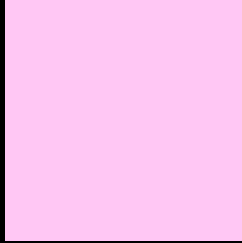
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9926, 68.6385, 94.7259 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 77.9926, 68.6385, 94.7259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9926, 68.6385, 94.7259.



This preview shows how white text looks on a background with the XYZ color 77.9926, 68.6385,



# 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

77.9926, 68.6385, 94.7259

### Protanopia

68.2305, 68.8042, 103.4503

### Deuteranopia

70.3726, 69.0069, 93.6150



## Tritanopia

74.2870, 68.5218, 76.3285

# Trichromacy



## Original Color

77.9926, 68.6385, 94.7259

## Protanomaly

71.4198, 68.6718, 99.9332

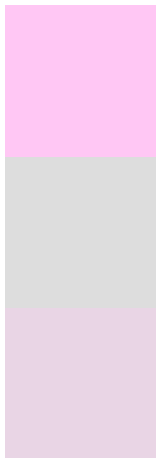
## Deuteranomaly

73.0826, 68.9296, 94.2469

## Tritanomaly

75.6321, 68.7251, 82.6778

# Monochromacy



## Original Color

77.9926, 68.6385, 94.7259

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

71.5414, 70.5693, 83.9793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9926, 68.6385, 94.7259 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, 199, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 244)  
}
```

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, 199, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9926, 68.6385, 94.7259 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, 199, 244) }
```



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

```
.border{ border-color:rgb(255, 199, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9926, 68.6385, 94.7259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 244) }
```

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

```
.background{ background-color: rgb(255,  
199, 244) }
```

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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