

# Converting Colors

XYZ(77.3573, 66.5026, 97.1817)

Have a look what the booklet for  
XYZ(77.3573, 66.5026, 97.1817)  
contains.

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# Color

**XYZ(77.4751, 66.6209,  
97.5827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2F8
RGB	255, 194, 248
RGB Percent	100%, 76%, 97%
CMY	0.0000, 0.2392, 0.0274
CMYK	0.00, 0.24, 0.03, 0.00
HSL	307°, 100%, 88%
HSV	307°, 24%, 100%
XYZ	77.4751, 66.6209, 97.5827
YIQ	218.3950, 19.0220, 29.7260

# Conversions

## Conversions Part 2

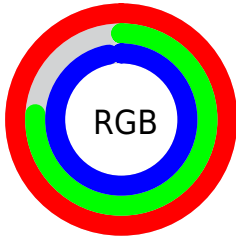
Format	Color
R <sub>Y</sub> B	255, 194, 248
Decimal	16761592
CIE Lab	85.31, 30.38, -18.15
CIE LCh	85, 35.385, 329.140
Yxy	66.6209, 0.3206, 0.2757
Android (android.graphics.Color)	4294951672 (0xFFFFC2F8)
YUV	218.3950, 14.5953, 32.1026
Hunter-Lab	81.6216, 26.5940, -13.7490

# Details

The XYZ color **77.4751, 66.6209, 97.5827** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.5528, 87.2074, 68.4807**, and the grayscale version is **66.8077, 70.2869, 76.5425**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **42.1812, 34.5677, 54.3182** is the 20% darker color. If you saturate the color by 10%, you get **71.8291, 56.0496, 93.4792**, and if you desaturate by 10%, it is **84.1048, 79.1478, 102.0509**.

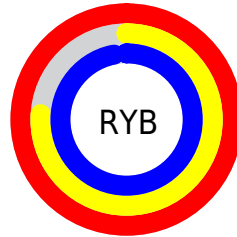
# Distribution



Red (100%)

Green (76%)

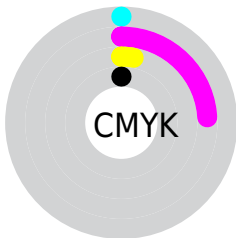
Blue (97%)



Red (100%)

Yellow (76%)

Blue (97%)

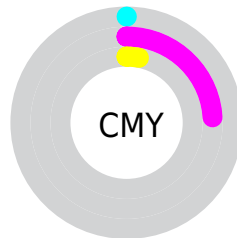


Cyan (0%)

Magenta (24%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4751, 66.6209, 97.5827 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 77.4751, 66.6209, 97.5827 by changing the saturation by 10% instead.





 77.4751, 66.6209,  
97.5827

 77.4751, 66.6209,  
97.5827


475.2495,  
448.5942, 573.5948

 57.9442, 48.7766,  
73.6777


 128.7792,  
114.3770, 159.8541

 42.0069, 34.4423,  
54.0351


161.2831,  
145.0577, 199.0575

 29.2978, 23.2336,  
38.2364


198.8420,  
180.7859, 244.1975

 19.4516, 14.7661,  
25.8629

241.8213,  
221.9460, 295.6926

 12.1030, 8.6554,  
16.4963

290.5864,  
268.9225, 353.9613

 6.8866, 4.5171,  
9.7179

345.5025,

 3.4370, 1.9668,

322.0998, 419.4222

5.1091

406.9351,  
381.8622, 492.4939

■ 1.3888, 0.5881,  
2.2516

■ 0.2482, 0.0000,  
0.7039

■ 77.4751, 66.6209,  
97.5827

■ 77.4751, 66.6209,  
97.5827

■ 71.8291, 56.0496,  
93.4792

■ 84.1048, 79.1478,  
102.0509

■ 67.1128, 47.3264,  
89.7196

■ 91.7600, 93.7147,  
106.8952

■ 63.2734, 40.3460,  
86.2870

95.0500, 100.0000,  
108.9000

■ 60.2512, 34.9887,  
83.1614

■ 57.9790, 31.1202,  
80.3201

■ 56.3787, 28.5845,  
77.7370

■ 55.3550, 27.1909,  
75.3802

■ 54.9318, 26.7367,  
74.0301

# Harmonies

## Analogous

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



71.1162, 66.6209, 118.2580



77.4751, 66.6209, 97.5827



79.9930, 66.6209, 73.2028

# Triad

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



77.4751, 66.6209, 97.5827



63.5526, 66.6209, 36.7854



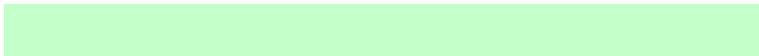
50.8056, 66.6209, 96.1921

# Complementary

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



77.4751, 66.6209, 97.5827



68.5528, 87.2074, 68.4807

# 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.



49.1434, 66.6209, 71.8789



77.4751, 66.6209, 97.5827



56.1176, 66.6209, 40.4454

# Square

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



77.4751, 66.6209, 97.5827



71.5496, 66.6209, 40.8955



51.0054, 66.6209, 52.1944



55.7491, 66.6209, 117.3434



# Rectangle

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



77.4751, 66.6209, 97.5827



79.0047, 66.6209, 59.0237



51.0054, 66.6209, 52.1944



49.8640, 66.6209, 87.9739

# Sweetspot

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



77.4765, 66.6235, 97.5841



89.2896, 89.0040, 105.3617



61.1906, 58.1000, 102.5971



19.0106, 18.8580, 22.4883



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.



77.4765, 66.6235, 97.5841



74.4877, 61.0136, 95.4543



73.2408, 64.9292, 75.2792



18.6976, 18.2624, 22.2907



28.7389, 13.9849, 38.8711



2.8226, 1.3714, 3.9133



# Inverse Universe

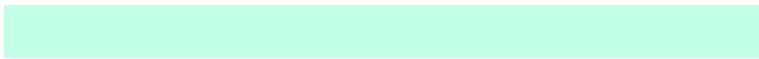
The Inverse Universe completely reimagines the original color for something new.



77.4765, 66.6235, 97.5841



74.4877, 61.0136, 95.4543



72.3773, 88.7372, 88.6204



18.6976, 18.2624, 22.2907



28.7389, 13.9849, 38.8711



2.8226, 1.3714, 3.9133



# Previews

## White Background



This preview shows how the XYZ color 77.4751, 66.6209, 97.5827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

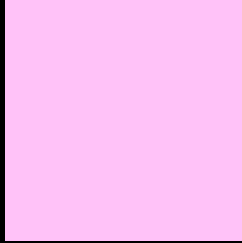
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4751, 66.6209, 97.5827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

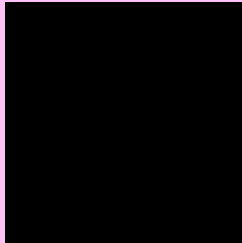
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4751, 66.6209, 97.5827**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4751, 66.6209, 97.5827.



This preview shows how white text looks on a background with the XYZ color 77.4751, 66.6209,



# 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

77.4751, 66.6209, 97.5827

### Protanopia

66.4953, 67.1443, 104.0632

### Deuteranopia

68.2507, 66.7644, 95.6758



## Tritanopia

72.7037, 66.7241, 73.3371

# Trichromacy



## Original Color

77.4751, 66.6209, 97.5827



## Protanomaly

69.8334, 66.3789, 101.2272



## Deuteranomaly

71.2692, 66.5215, 96.2724



## Tritanomaly

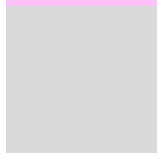
74.2041, 66.6297, 81.6229

# Monochromacy



## Original Color

77.4751, 66.6209, 97.5827



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

69.8983, 68.2470, 83.6177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4751, 66.6209, 97.5827 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, 194, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 248)  
}
```

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, 194, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4751, 66.6209, 97.5827 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, 194, 248) }
```



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

```
.border{ border-color:rgb(255, 194, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4751, 66.6209, 97.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 248) }
```

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

```
.background{ background-color: rgb(255,  
194, 248) }
```

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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