

# Converting Colors

XYZ(78.3791, 70.7083, 90.8572)

Have a look what the booklet for  
XYZ(78.3791, 70.7083, 90.8572)  
contains.

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# Color

**XYZ(78.4129, 70.6777,  
91.1707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCEF
RGB	255, 204, 239
RGB Percent	100%, 80%, 94%
CMY	0.0000, 0.2000, 0.0627
CMYK	0.00, 0.20, 0.06, 0.00
HSL	319°, 100%, 90%
HSV	319°, 20%, 100%
XYZ	78.4129, 70.6777, 91.1707
YIQ	223.2390, 19.1610, 21.6970

# Conversions

## Conversions Part 2

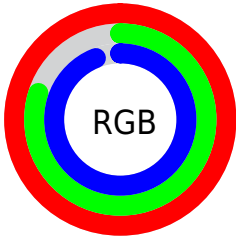
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 204, 239
Decimal	16764143
CIE <sub>Lab</sub>	87.33, 23.56, -10.36
CIE <sub>LCh</sub>	87, 25.738, 336.275
Yxy	70.6777, 0.3264, 0.2942
Android (android.graphics.Color)	4294954223 (0xFFFFCCEF)
YUV	223.2390, 7.7702, 27.8544
Hunter-Lab	84.0700, 19.3661, -5.4487

# Details

The XYZ color **78.4129, 70.6777, 91.1707** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5823, 89.5257, 81.1152**, and the grayscale version is **70.2475, 73.9058, 80.4834**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7423, 37.2374, 49.7345** is the 20% darker color. If you saturate the color by 10%, you get **71.6852, 59.0720, 83.2259**, and if you desaturate by 10%, it is **86.1882, 84.2944, 99.7248**.

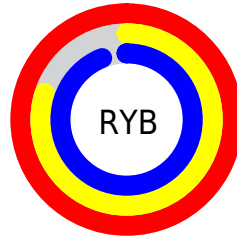
# Distribution



Red (100%)

Green (80%)

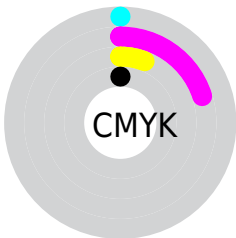
Blue (94%)



Red (100%)

Yellow (80%)

Blue (94%)

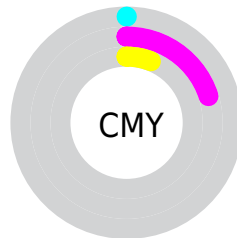


Cyan (0%)

Magenta (20%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4129, 70.6777, 91.1707 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 78.4129, 70.6777, 91.1707 by changing the saturation by 10% instead.



78.4129, 70.6777,  
91.1707

78.4129, 70.6777,  
91.1707

478.3863,  
462.9260, 552.4998

58.7172, 52.0792,  
68.3729

130.0943,  
120.1747, 150.9132

42.6310, 37.0682,  
49.7325

162.8107,  
151.8420, 188.6949

29.7890, 25.2603,  
34.8312

200.5981,  
188.6344, 232.3083

19.8257, 16.2711,  
23.2504

243.8217,  
230.9362, 282.1720

12.3760, 9.7162,  
14.5715

292.8470,  
279.1319, 338.7044

7.0743, 5.2112,  
8.3759

348.0393,

3.5553, 2.3717,

333.6058, 402.3242

4.2452

409.7640,  
394.7424, 473.4498

■ 1.4538, 0.8113,  
1.7608

■ 0.2941, 0.0000,  
0.4019

■ 78.4129, 70.6777,  
91.1707

■ 78.4129, 70.6777,  
91.1707

■ 71.6852, 59.0720,  
83.2259

■ 86.1882, 84.2944,  
99.7248

■ 65.9516, 49.3721,  
75.8663

95.0500, 100.0000,  
108.9000

■ 61.1607, 41.4760,  
69.0725

■ 57.2545, 35.2689,  
62.8216

■ 54.1682, 30.6224,  
57.0886

■ 51.8280, 27.3897,  
51.8452

■ 50.1457, 25.3960,  
47.0584

■ 48.9779, 24.3552,  
42.6767

■ 48.9776, 24.3550,  
42.6757

# Harmonies

## Analogous

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



74.3059, 70.6777, 107.0984



78.4129, 70.6777, 91.1707



79.4310, 70.6777, 73.3676

# Triad

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



78.4129, 70.6777, 91.1707



65.9121, 70.6777, 48.3354



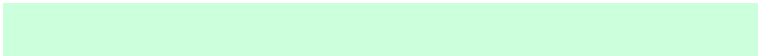
58.2188, 70.6777, 98.4250

# Complementary

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



78.4129, 70.6777, 91.1707



73.5823, 89.5257, 81.1152

# 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.



56.2530, 70.6777, 80.6596



78.4129, 70.6777, 91.1707



60.5194, 70.6777, 53.0771

# Square

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



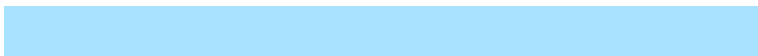
78.4129, 70.6777, 91.1707



71.9725, 70.6777, 50.2817



57.0693, 70.6777, 64.3014



62.5994, 70.6777, 111.7074



# Rectangle

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



78.4129, 70.6777, 91.1707



78.1703, 70.6777, 63.1151



57.0693, 70.6777, 64.3014



57.2660, 70.6777, 92.6855

# Sweetspot

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



78.4144, 70.6805, 91.1722



89.5985, 90.3184, 103.3177



68.9492, 65.5157, 103.6195



19.0559, 19.1162, 21.9871



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.



78.4144, 70.6805, 91.1722



75.5985, 65.7991, 87.9202



74.9980, 69.3140, 73.1815



18.5359, 18.1977, 21.4389



25.6624, 12.7542, 22.6702



2.5481, 1.2616, 2.4675



# Inverse Universe

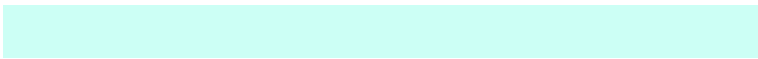
The Inverse Universe completely reimagines the original color for something new.



78.4144, 70.6805, 91.1722



75.5985, 65.7991, 87.9202



77.1145, 90.9386, 99.7157



18.5359, 18.1977, 21.4389



25.6624, 12.7542, 22.6702



2.5481, 1.2616, 2.4675



# Previews

## White Background



This preview shows how the XYZ color 78.4129, 70.6777, 91.1707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

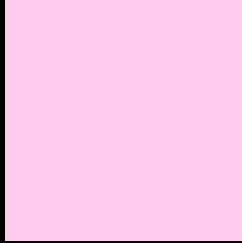
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4129, 70.6777, 91.1707 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 78.4129, 70.6777, 91.1707**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4129, 70.6777, 91.1707.



This preview shows how white text looks on a background with the XYZ color 78.4129, 70.6777,

91.1707.

# 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

78.4129, 70.6777, 91.1707

### Protanopia

69.7805, 70.8501, 98.8045

### Deuteranopia

72.3590, 70.8587, 89.9841



## Tritanopia

76.1401, 70.8360, 79.4717

# Trichromacy



## Original Color

78.4129, 70.6777, 91.1707

## Protanomaly

72.6580, 70.5025, 96.1651

## Deuteranomaly

74.4144, 70.7915, 90.6310

## Tritanomaly

77.0872, 70.8706, 83.7452

# Monochromacy



## Original Color

78.4129, 70.6777, 91.1707

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

72.9597, 72.4310, 84.2639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.4129, 70.6777, 91.1707 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, 204, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 239)  
}
```

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, 204, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4129, 70.6777, 91.1707 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, 204, 239) }
```



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

```
.border{ border-color:rgb(255, 204, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4129, 70.6777, 91.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 239) }
```

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

```
.background{ background-color: rgb(255,  
204, 239) }
```

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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