

Converting Colors

XYZ(78.3391, 70.6482, 90.7822)

Have a look what the booklet for
XYZ(78.3391, 70.6482, 90.7822)
contains.

XYZ(78.4129, 70.6777, 91.1707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

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

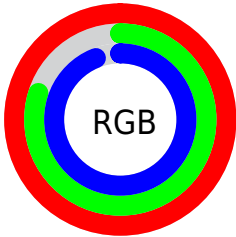
Format	Color
R _Y B	255, 204, 239
Decimal	16764143
CIE Lab	87.33, 23.56, -10.36
CIE LCh	87, 25.738, 336.275
Yxy	70.6777, 0.3264, 0.2942
Android (android.graphics.Color)	4294954223 (0xFFFFCCEF)
YUV	223.2390, 7.7702, 27.8544
Hunter-Lab	84.0700, 19.3661, -5.4487

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**.

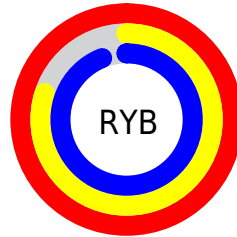
Distribution



Red (100%)

Green (80%)

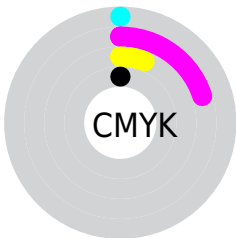
Blue (94%)



Red (100%)

Yellow (80%)

Blue (94%)

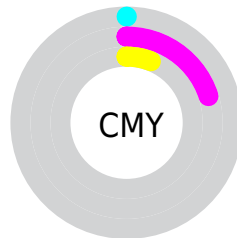


Cyan (0%)

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



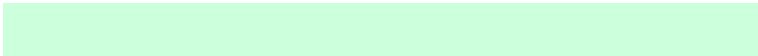
58.2188, 70.6777, 98.4250

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.



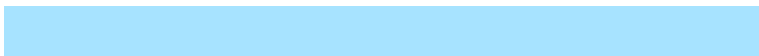
78.4129, 70.6777, 91.1707



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

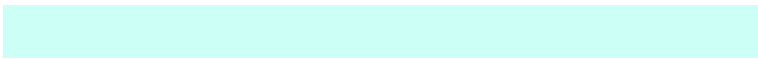
The Inverse Universe completely reimagines the original color for something new.



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

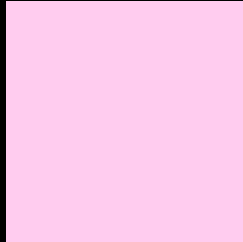
Large Text (above 18pt) WCAG AA × Fail

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

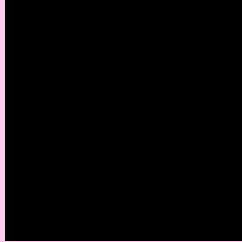
Large Text (above 18pt) WCAG AAA ✓ Pass

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

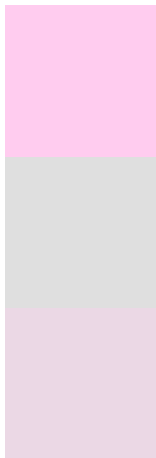
Deuteranomaly

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor