

Converting Colors

XYZ(78.5312, 70.7292, 91.7809)

Have a look what the booklet for
XYZ(78.5312, 70.7292, 91.7809)
contains.

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Color

**XYZ(78.5610, 70.7370,
91.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF0
RGB	255, 204, 240
RGB Percent	100%, 80%, 94%
CMY	0.0000, 0.2000, 0.0588
CMYK	0.00, 0.20, 0.06, 0.00
HSL	318°, 100%, 90%
HSV	318°, 20%, 100%
XYZ	78.5610, 70.7370, 91.9511
YIQ	223.3530, 18.8400, 22.0080

Conversions

Conversions Part 2

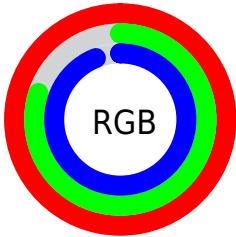
Format	Color
R _Y B	255, 204, 240
Decimal	16764144
CIE Lab	87.36, 23.73, -10.84
CIE LCh	87, 26.092, 335.448
Yxy	70.7370, 0.3256, 0.2932
Android (android.graphics.Color)	4294954224 (0xFFFFCCF0)
YUV	223.3530, 8.2070, 27.7544
Hunter-Lab	84.1053, 19.5489, -5.9472

Details

The XYZ color **78.5610, 70.7370, 91.9511** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.4503, 89.4729, 80.4198**, and the grayscale version is **70.3258, 73.9882, 80.5731**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8468, 37.2792, 50.2847** is the 20% darker color. If you saturate the color by 10%, you get **71.8980, 59.1572, 84.3467**, and if you desaturate by 10%, it is **86.2655, 84.3254, 100.1318**.

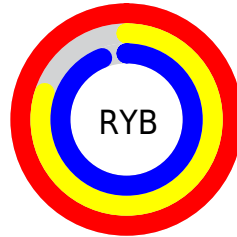
Distribution



Red (100%)

Green (80%)

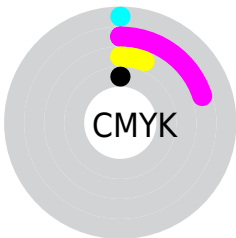
Blue (94%)



Red (100%)

Yellow (80%)

Blue (94%)

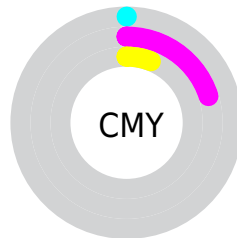


Cyan (0%)

Magenta (20%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5610, 70.7370, 91.9511 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 78.5610, 70.7370, 91.9511 by changing the saturation by 10% instead.


 78.5610, 70.7370,
91.9511

 78.5610, 70.7370,
91.9511

478.8807,
463.1335, 555.0905

 58.8393, 52.1276,
69.0172


130.3018,
120.2592, 152.0047

 42.7297, 37.1068,
50.2539


163.0517,
151.9407, 189.9615

 29.8667, 25.2902,
35.2426


200.8750,
188.7485, 233.7631

 19.8850, 16.2934,
23.5647

244.1371,
231.0668, 283.8279

 12.4192, 9.7320,
14.8019

293.2034,
279.2800, 340.5745

 7.1041, 5.2216,
8.5354

348.4392,

 3.5742, 2.3779,

333.7726, 404.4214

4.3467

410.2098,
394.9290, 475.7873

■ 1.4642, 0.8145,
1.8174

■ 0.3013, 0.0000,
0.4394

■ 78.5610, 70.7370,
91.9511

■ 78.5610, 70.7370,
91.9511

■ 71.8980, 59.1572,
84.3467

■ 86.2655, 84.3254,
100.1318

■ 66.2229, 49.4807,
77.2952

95.0500, 100.0000,
108.9000

■ 61.4845, 41.6056,
70.7777

■ 57.6249, 35.4171,
64.7721

■ 54.5795, 30.7869,
59.2540

■ 52.2744, 27.5683,
54.1959

■ 50.6218, 25.5864,
49.5654

■ 49.4783, 24.5554,
45.3117

■ 49.4780, 24.5552,
45.3108

Harmonies

Analogous

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



74.3199, 70.7370, 107.9997



78.5610, 70.7370, 91.9511



79.6921, 70.7370, 73.8530

Triad

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



78.5610, 70.7370, 91.9511



66.1181, 70.7370, 48.0120



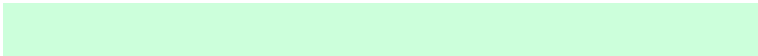
58.0618, 70.7370, 98.3551

Complementary

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



78.5610, 70.7370, 91.9511



73.4503, 89.4729, 80.4198

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.



56.1459, 70.7370, 80.2774



78.5610, 70.7370, 91.9511



60.6123, 70.7370, 52.6163

Square

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



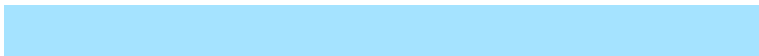
78.5610, 70.7370, 91.9511



72.2624, 70.7370, 50.1640



57.0506, 70.7370, 63.8006



62.4433, 70.7370, 112.0738

Rectangle

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



78.5610, 70.7370, 91.9511



78.4745, 70.7370, 63.3788



57.0506, 70.7370, 63.8006



57.1206, 70.7370, 92.4916

Sweetspot

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



78.5627, 70.7399, 91.9526



89.6457, 90.3372, 103.5660



68.6938, 65.3841, 103.6076



19.0671, 19.1207, 22.0459



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.



78.5627, 70.7399, 91.9526



75.7733, 65.8690, 88.8407



75.1070, 69.3577, 73.7556



18.5516, 18.2040, 21.5219



25.9219, 12.8580, 24.0367



2.5718, 1.2711, 2.5924

Inverse Universe

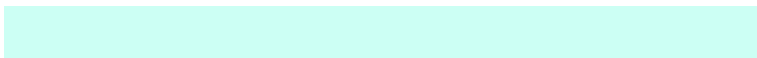
The Inverse Universe completely reimagines the original color for something new.



78.5627, 70.7399, 91.9526



75.7733, 65.8690, 88.8407



76.9852, 90.8869, 99.0346



18.5516, 18.2040, 21.5219



25.9219, 12.8580, 24.0367



2.5718, 1.2711, 2.5924

Previews

White Background



This preview shows how the XYZ color 78.5610, 70.7370, 91.9511 looks on a white background.

Color Contrast Check

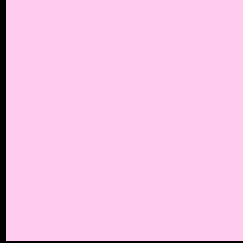
Large Text (above 18pt) WCAG AA × Fail

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 78.5610, 70.7370, 91.9511 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 78.5610, 70.7370, 91.9511

Background



This preview shows how black text looks on a background with the XYZ color 78.5610, 70.7370, 91.9511.



This preview shows how white text looks on a background with the XYZ color 78.5610, 70.7370,

91.9511.

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

78.5610, 70.7370, 91.9511

Protanopia

69.9018, 71.2785, 99.6964

Deuteranopia

72.5056, 70.9174, 90.7559



Tritanopia

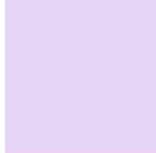
76.1401, 70.8360, 79.4717

Trichromacy



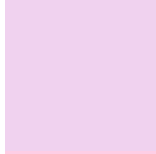
Original Color

78.5610, 70.7370, 91.9511



Protanomaly

72.7419, 70.9003, 97.0400



Deuteranomaly

74.5618, 70.8504, 91.4070



Tritanomaly

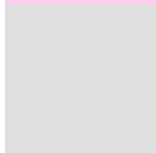
77.0872, 70.8706, 83.7452

Monochromacy



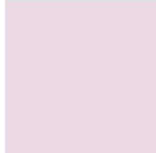
Original Color

78.5610, 70.7370, 91.9511



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 78.5610, 70.7370, 91.9511 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 240) }
```

Border

The CSS property to change the border of an element to XYZ 78.5610, 70.7370, 91.9511 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, 240) }
```


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

```
.border{ border-color:rgb(255, 204, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5610, 70.7370, 91.9511 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
204, 240) }
```

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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