

# Converting Colors

XYZ(78.8518, 70.8786, 93.4039)

Have a look what the booklet for  
XYZ(78.8518, 70.8786, 93.4039)  
contains.

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# Color

**XYZ(78.8599, 70.8565,  
93.5247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCF2
RGB	255, 204, 242
RGB Percent	100%, 80%, 95%
CMY	0.0000, 0.2000, 0.0510
CMYK	0.00, 0.20, 0.05, 0.00
HSL	315°, 100%, 90%
HSV	315°, 20%, 100%
XYZ	78.8599, 70.8565, 93.5247
YIQ	223.5810, 18.1980, 22.6300

# Conversions

## Conversions Part 2

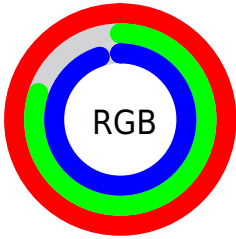
Format	Color
<a href="#">RYB</a>	<a href="#">255, 204, 242</a>
Decimal	<a href="#">16764146</a>
CIELab	<a href="#">87.42, 24.08, -11.81</a>
CIELCh	<a href="#">87, 26.819, 333.864</a>
Yxy	<a href="#">70.8565, 0.3242, 0.2913</a>
Android (android.graphics.Color)	<a href="#">4294954226</a> ( <a href="#">0xFFFFCCF2</a> )
YUV	<a href="#">223.5810, 9.0806, 27.5545</a>
Hunter-Lab	<a href="#">84.1763, 19.9178, -6.9512</a>

# Details

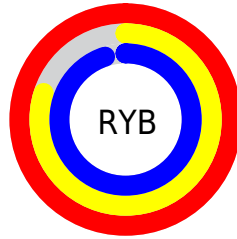
The XYZ color **78.8599, 70.8565, 93.5247** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.1884, 89.3682, 79.0410**, and the grayscale version is **70.4823, 74.1528, 80.7524**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0580, 37.3636, 51.3969** is the 20% darker color. If you saturate the color by 10%, you get **72.3291, 59.3296, 86.6170**, and if you desaturate by 10%, it is **86.4206, 84.3874, 100.9488**.

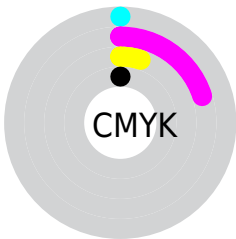
# Distribution



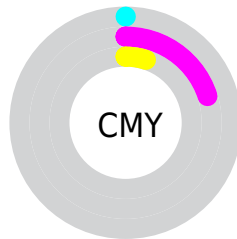
- Red (100%)
- Green (80%)
- Blue (95%)



- Red (100%)
- Yellow (80%)
- Blue (95%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8599, 70.8565, 93.5247 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 78.8599, 70.8565, 93.5247 by changing the saturation by 10% instead.



78.8599, 70.8565,  
93.5247

78.8599, 70.8565,  
93.5247

479.8775,  
463.5516, 560.2943

59.0859, 52.2251,  
70.3176

130.7206,  
120.4294, 154.2028

42.9289, 37.1845,  
51.3071

163.5379,  
152.1396, 192.5109

30.0236, 25.3504,  
36.0746

201.4337,  
188.9783, 236.6898

20.0047, 16.3383,  
24.2017

244.7734,  
231.3298, 287.1580

12.5067, 9.7639,  
15.2697

293.9223,  
279.5785, 344.3340

7.1644, 5.2427,  
8.8602

349.2457,

3.6124, 2.3903,

334.1087, 408.6363

4.5545

411.1090,  
395.3050, 480.4836

■ 1.4853, 0.8209,  
1.9342

■ 0.3158, 0.0000,  
0.5144

■ 78.8599, 70.8565,  
93.5247

■ 78.8599, 70.8565,  
93.5247

■ 72.3291, 59.3296,  
86.6170

■ 86.4206, 84.3874,  
100.9488

■ 66.7752, 49.7015,  
80.2035

95.0500, 100.0000,  
108.9000

■ 62.1469, 41.8705,  
74.2662

■ 58.3867, 35.7218,  
68.7840

■ 55.4302, 31.1271,  
63.7339

■ 53.2037, 27.9400,  
59.0892

■ 51.6194, 25.9854,  
54.8189

■ 50.5344, 24.9779,  
50.8733

■ 50.5342, 24.9777,  
50.8724

# Harmonies

## Analogous

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



74.3501, 70.8565, 109.8192



78.8599, 70.8565, 93.5247



80.2178, 70.8565, 74.8285

# Triad

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



78.8599, 70.8565, 93.5247



66.5312, 70.8565, 47.3683



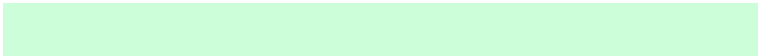
57.7491, 70.8565, 98.2207

# Complementary

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



78.8599, 70.8565, 93.5247



73.1884, 89.3682, 79.0410

# 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.



55.9323, 70.8565, 79.5204



78.8599, 70.8565, 93.5247



60.7981, 70.8565, 51.7031

# Square

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



78.8599, 70.8565, 93.5247



72.8449, 70.8565, 49.9273



57.0129, 70.8565, 62.8089



62.1329, 70.8565, 112.8146



# Rectangle

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



78.8599, 70.8565, 93.5247



79.0865, 70.8565, 63.9061



57.0129, 70.8565, 62.8089



56.8308, 70.8565, 92.1093

# Sweetspot

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



78.8614, 70.8593, 93.5262



89.7402, 90.3750, 104.0637



68.1865, 65.1225, 103.5838



19.0895, 19.1297, 22.1637



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.



78.8614, 70.8593, 93.5262



76.1264, 66.0103, 90.7003



75.3267, 69.4454, 74.9124



18.5832, 18.2166, 21.6885



26.4689, 13.0768, 26.9172



2.6214, 1.2909, 2.8535



# Inverse Universe

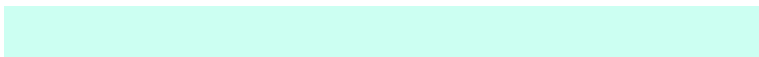
The Inverse Universe completely reimagines the original color for something new.



78.8614, 70.8593, 93.5262



76.1264, 66.0103, 90.7003



76.7282, 90.7841, 97.6816



18.5832, 18.2166, 21.6885



26.4689, 13.0768, 26.9172



2.6214, 1.2909, 2.8535



# Previews

## White Background



This preview shows how the XYZ color 78.8599, 70.8565, 93.5247 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 78.8599, 70.8565, 93.5247 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 78.8599, 70.8565, 93.5247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8599, 70.8565, 93.5247.



This preview shows how white text looks on a background with the XYZ color 78.8599, 70.8565,



# 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

78.8599, 70.8565, 93.5247

### Protanopia

70.2155, 71.4040, 101.3484

### Deuteranopia

72.4774, 70.8687, 92.2971



## Tritanopia

75.7770, 70.6488, 79.4547

# Trichromacy



## Original Color

78.8599, 70.8565, 93.5247

## Protanomaly

73.0506, 71.0238, 98.6657

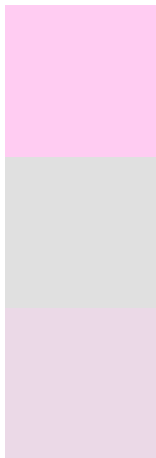
## Deuteranomaly

74.8590, 70.9693, 92.9720

## Tritanomaly

76.8622, 70.7384, 84.4657

# Monochromacy



## Original Color

78.8599, 70.8565, 93.5247

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

73.4976, 73.0574, 85.8291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8599, 70.8565, 93.5247 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8599, 70.8565, 93.5247 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, 242) }
```



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

```
.border{ border-color:rgb(255, 204, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8599, 70.8565, 93.5247 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
204, 242) }
```

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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