

# Converting Colors

XYZ(80.7119, 74.3196, 94.8852)

Have a look what the booklet for XYZ(80.7119, 74.3196, 94.8852) contains.

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# Color

**XYZ(80.7119, 74.3196,  
94.8852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD3F3
RGB	255, 211, 243
RGB Percent	100%, 83%, 95%
CMY	0.0000, 0.1725, 0.0471
CMYK	0.00, 0.17, 0.05, 0.00
HSL	316°, 100%, 91%
HSV	316°, 17%, 100%
XYZ	80.7119, 74.3196, 94.8852
YIQ	227.8040, 15.9520, 19.2800

# Conversions

## Conversions Part 2

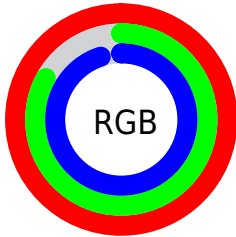
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 211, 243
Decimal	16765939
CIE Lab	89.07, 20.58, -9.87
CIE LCh	89, 22.825, 334.371
Yxy	74.3196, 0.3230, 0.2974
Android (android.graphics.Color)	4294956019 (0xFFFFD3F3)
YUV	227.8040, 7.4916, 23.8509
Hunter-Lab	86.2088, 16.2529, -4.9110

# Details

The XYZ color **80.7119, 74.3196, 94.8852** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.9456, 90.6977, 83.3189**, and the grayscale version is **73.5400, 77.3698, 84.2557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1468, 39.3706, 52.2862** is the 20% darker color. If you saturate the color by 10%, you get **73.8421, 62.2288, 87.5119**, and if you desaturate by 10%, it is **88.6298, 88.4420, 102.8061**.

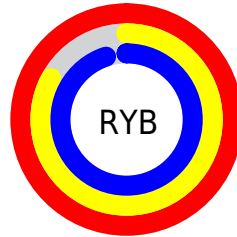
# Distribution



Red (100%)

Green (83%)

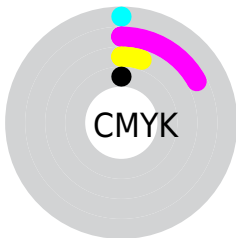
Blue (95%)



Red (100%)

Yellow (83%)

Blue (95%)

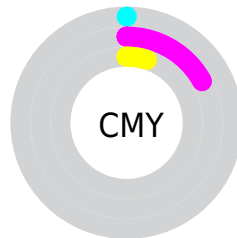


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7119, 74.3196, 94.8852 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 80.7119, 74.3196, 94.8852 by changing the saturation by 10% instead.




 80.7119, 74.3196,  
94.8852

 80.7119, 74.3196,  
94.8852


486.0288,  
475.5757, 564.7723

 60.6148, 55.0557,  
71.4431


133.3114,  
125.3488, 156.1002

 44.1657, 39.4463,  
52.2198


166.5446,  
157.8828, 194.7102

 30.9993, 27.1071,  
36.7969


204.8872,  
195.6089, 239.2132

 20.7501, 17.6537,  
24.7557

248.7046,  
238.9116, 290.0277

 13.0529, 10.7016,  
15.6778

298.3621,  
288.1752, 347.5724

 7.5422, 5.8666,  
9.1445

354.2250,

 3.8528, 2.7641,

343.7842, 412.2657

4.7375

416.6588,  
406.1229, 484.5261

■ 1.6192, 1.0099,  
2.0380

■ 0.4049, 0.0000,  
0.5785

■ 80.7119, 74.3196,  
94.8852

■ 80.7119, 74.3196,  
94.8852

■ 73.8421, 62.2288,  
87.5119

■ 88.6298, 88.4420,  
102.8061

■ 67.9676, 52.0660,  
80.6636

95.0500, 100.0000,  
108.9000

■ 63.0384, 43.7317,  
74.3224

■ 58.9985, 37.1142,  
68.4674

■ 55.7854, 32.0895,  
63.0754

■ 53.3282, 28.5166,  
58.1207

■ 51.5437, 26.2299,  
53.5730

■ 50.3247, 25.0156,  
49.3944

■ 50.0449, 24.7820,  
48.2960

# Harmonies

## Analogous

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



76.8411, 74.3196, 108.8837



80.7119, 74.3196, 94.8852



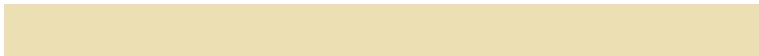
81.8315, 74.3196, 78.6124

# Triad

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



80.7119, 74.3196, 94.8852



69.8276, 74.3196, 54.0948



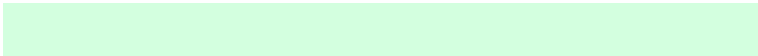
62.1850, 74.3196, 99.4465

# Complementary

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



80.7119, 74.3196, 94.8852



75.9456, 90.6977, 83.3189

# 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.



60.5159, 74.3196, 83.2752



80.7119, 74.3196, 94.8852



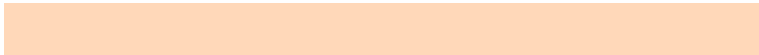
64.7791, 74.3196, 58.2099

# Square

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



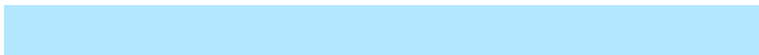
80.7119, 74.3196, 94.8852



75.3594, 74.3196, 56.3582



61.4403, 74.3196, 68.3996



66.1191, 74.3196, 111.7500



# Rectangle

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



80.7119, 74.3196, 94.8852



80.8202, 74.3196, 68.9447



61.4403, 74.3196, 68.3996



61.3501, 74.3196, 94.2105

# Sweetspot

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



80.7136, 74.3226, 94.8868



90.5617, 91.9112, 104.6669



71.6964, 69.4578, 104.2356



19.2537, 19.4387, 22.2781



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.



80.7136, 74.3226, 94.8868



78.0187, 69.5582, 92.0603



77.6231, 73.0864, 78.6121



18.5688, 18.2109, 21.6127



26.2156, 12.9755, 25.5834



2.5985, 1.2818, 2.7329



# Inverse Universe

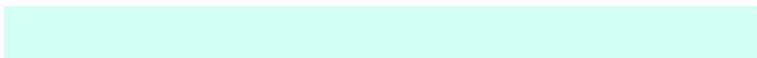
The Inverse Universe completely reimagines the original color for something new.



80.7136, 74.3226, 94.8868



78.0187, 69.5582, 92.0603



79.0666, 91.9461, 99.7541



18.5688, 18.2109, 21.6127



26.2156, 12.9755, 25.5834



2.5985, 1.2818, 2.7329



# Previews

## White Background



This preview shows how the XYZ color 80.7119, 74.3196, 94.8852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

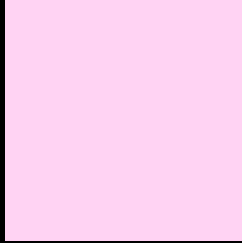
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.7119, 74.3196, 94.8852 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 80.7119, 74.3196, 94.8852

## Background



This preview shows how black text looks on a background with the XYZ color 80.7119, 74.3196, 94.8852.



This preview shows how white text looks on a background with the XYZ color 80.7119, 74.3196,



# 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

80.7119, 74.3196, 94.8852

### Protanopia

72.8918, 74.3603, 100.9536

### Deuteranopia

76.3583, 74.7308, 94.4044



## Tritanopia

78.5852, 74.1843, 85.0400

# Trichromacy



## Original Color

80.7119, 74.3196, 94.8852

## Protanomaly

75.4642, 74.1818, 98.3368

## Deuteranomaly

77.6357, 74.2448, 94.2432

## Tritanomaly

79.4119, 74.1560, 88.7253

# Monochromacy



## Original Color

80.7119, 74.3196, 94.8852

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

76.0892, 76.3029, 87.8084

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.7119, 74.3196, 94.8852 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, 211, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 243)  
}
```

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, 211, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 80.7119, 74.3196, 94.8852 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, 211, 243) }
```



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

```
.border{ border-color:rgb(255, 211, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.7119, 74.3196, 94.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 243) }
```

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

```
.background{ background-color: rgb(255,  
211, 243) }
```

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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