

# Converting Colors

XYZ(80.7139, 71.6006,  
103.2799)

Have a look what the booklet for  
XYZ(80.7139, 71.6006, 103.2799)  
contains.

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# Color

**XYZ(80.7223, 71.6015,  
103.3319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCFE
RGB	255, 204, 254
RGB Percent	100%, 80%, 100%
CMY	0.0000, 0.2000, 0.0039
CMYK	0.00, 0.20, 0.00, 0.00
HSL	301°, 100%, 90%
HSV	301°, 20%, 100%
XYZ	80.7223, 71.6015, 103.3319
YIQ	224.9490, 14.3460, 26.3620

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 204, 254
Decimal	16764158
CIE Lab	87.78, 26.19, -17.62
CIE LCh	88, 31.564, 326.073
Yxy	71.6015, 0.3157, 0.2801
Android (android.graphics.Color)	4294954238 (0xFFFFCCFE)
YUV	224.9490, 14.3221, 26.3547
Hunter-Lab	84.6177, 22.2018, -13.1703

# Details

The XYZ color **80.7223, 71.6015, 103.3319** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.6834, 88.7662, 71.1159**, and the grayscale version is **71.4260, 75.1458, 81.8337**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1142, 37.5319, 57.7426** is the 20% darker color. If you saturate the color by 10%, you get **75.0709, 60.4263, 101.0550**, and if you desaturate by 10%, it is **87.3692, 84.7668, 105.9436**.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7223, 71.6015, 103.3319 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 80.7223, 71.6015, 103.3319 by changing the saturation by 10% instead.



80.7223, 71.6015,  
103.3319

80.7223, 71.6015,  
103.3319

486.0633,  
466.1534, 592.1607

60.6234, 52.8332,  
78.4537

133.3260,  
121.4898, 167.8202

44.1727, 37.6696,  
57.9281

166.5615,  
153.3786, 208.2673

31.0048, 25.7264,  
41.3365

204.9066,  
190.4097, 254.7412

20.7543, 16.6191,  
28.2605

248.7266,  
232.9675, 307.6604

13.0560, 9.9633,  
18.2813

298.3869,  
281.4363, 367.4434

7.5444, 5.3746,  
10.9806

354.2529,

3.8542, 2.4687,

336.2007, 434.5088

5.9398

416.6899,  
397.6449, 509.2750

■ 1.6200, 0.8609,  
2.7403

■ 0.4054, 0.0000,  
0.9636

■ 80.7223, 71.6015,  
103.3319

■ 80.7223, 71.6015,  
103.3319

■ 75.0709, 60.4263,  
101.0550

■ 87.3692, 84.7668,  
105.9436

■ 70.3622, 51.1363,  
99.0924

95.0500, 100.0000,  
108.9000

■ 66.5454, 43.6299,  
97.4280

■ 63.5632, 37.7924,  
96.0430

■ 61.3516, 33.4957,  
94.9158

■ 59.8374, 30.5935,  
94.0221

■ 58.9332, 28.9110,  
93.3328

■ 58.4963, 28.1626,  
92.8002

■ 58.4962, 28.1625,  
92.8001

# Harmonies

## Analogous

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



74.5853, 71.6015, 121.2047



80.7223, 71.6015, 103.3319



83.4632, 71.6015, 80.8220

# Triad

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



80.7223, 71.6015, 103.3319



69.0466, 71.6015, 43.6190



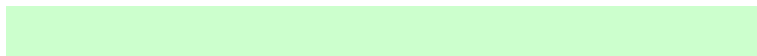
55.9175, 71.6015, 97.5379

# Complementary

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



80.7223, 71.6015, 103.3319



71.6834, 88.7662, 71.1159

# 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.



54.6705, 71.6015, 75.1700



80.7223, 71.6015, 103.3319



61.9176, 71.6015, 46.4638

# Square

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



80.7223, 71.6015, 103.3319



76.4167, 71.6015, 48.4939



56.7876, 71.6015, 57.1265



60.3268, 71.6015, 117.4518



# Rectangle

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



80.7223, 71.6015, 103.3319



82.8582, 71.6015, 67.0878



56.7876, 71.6015, 57.1265



55.1292, 71.6015, 89.9517

# Sweetspot

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



80.7238, 71.6043, 103.3334



90.3136, 90.6044, 107.0834



64.7812, 63.3671, 103.4245



19.2254, 19.1840, 22.8796



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.



80.7238, 71.6043, 103.3334



78.3449, 66.8976, 102.3826



76.9287, 70.0862, 83.3483



18.7764, 18.2939, 22.7058



30.5725, 14.7183, 48.5269



2.9815, 1.4350, 4.7497



# Inverse Universe

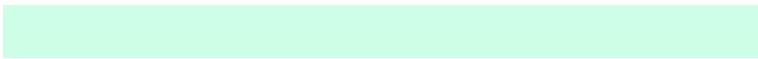
The Inverse Universe completely reimagines the original color for something new.



80.7238, 71.6043, 103.3334



78.3449, 66.8976, 102.3826



74.9959, 90.0912, 88.5595



18.7764, 18.2939, 22.7058



30.5725, 14.7183, 48.5269



2.9815, 1.4350, 4.7497



# Previews

## White Background



This preview shows how the XYZ color 80.7223, 71.6015, 103.3319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

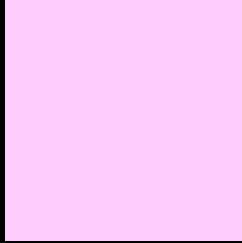
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.7223, 71.6015, 103.3319 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 80.7223, 71.6015, 103.3319**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.7223, 71.6015, 103.3319.



This preview shows how white text looks on a background with the XYZ color 80.7223, 71.6015,



# 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

80.7223, 71.6015, 103.3319

### Protanopia

70.8221, 72.0292, 104.7780

### Deuteranopia

73.5497, 71.9600, 102.1087



## Tritanopia

76.1747, 71.5464, 81.0292

# Trichromacy



## Original Color

80.7223, 71.6015, 103.3319

## Protanomaly

74.0915, 71.8071, 104.5629

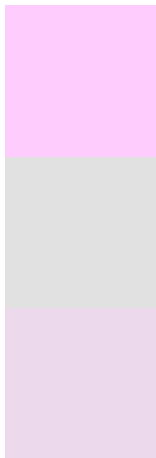
## Deuteranomaly

75.9489, 71.6849, 102.7621

## Tritanomaly

77.5980, 71.3772, 89.0442

# Monochromacy



## Original Color

80.7223, 71.6015, 103.3319

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

74.5452, 73.5147, 89.6177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.7223, 71.6015, 103.3319 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 80.7223, 71.6015, 103.3319 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, 254) }
```



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

```
.border{ border-color:rgb(255, 204, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.7223, 71.6015, 103.3319 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
204, 254) }
```

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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