

Converting Colors

XYZ(83.8293, 73.4182,
101.9203)

Have a look what the booklet for
XYZ(83.8293, 73.4182, 101.9203)
contains.

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Color

**XYZ(80.6420, 71.9509,
101.7331)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDFC
RGB	255, 205, 252
RGB Percent	100%, 80%, 99%
CMY	0.0000, 0.1961, 0.0118
CMYK	0.00, 0.20, 0.01, 0.00
HSL	304°, 100%, 90%
HSV	304°, 20%, 100%
XYZ	80.6420, 71.9509, 101.7331
YIQ	225.3080, 14.7130, 25.2170

Conversions

Conversions Part 2

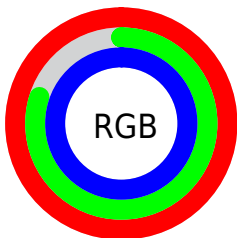
Format	Color
R _Y B	255, 205, 252
Decimal	16764412
CIE Lab	87.94, 25.31, -16.31
CIE LCh	88, 30.105, 327.202
Yxy	71.9509, 0.3171, 0.2829
Android (android.graphics.Color)	4294954492 (0xFFFFCDFC)
YUV	225.3080, 13.1592, 26.0399
Hunter-Lab	84.8239, 21.2580, -11.7325

Details

The XYZ color **80.6420, 71.9509, 101.7331** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.3241, 89.0542, 73.0547**, and the grayscale version is **71.6919, 75.4255, 82.1383**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0454, 37.7586, 56.5965** is the 20% darker color. If you saturate the color by 10%, you get **74.7911, 60.6351, 98.5926**, and if you desaturate by 10%, it is **87.4921, 85.2613, 105.2182**.

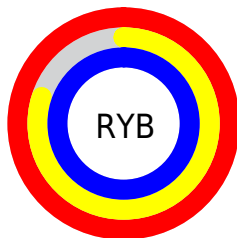
Distribution



Red (100%)

Green (80%)

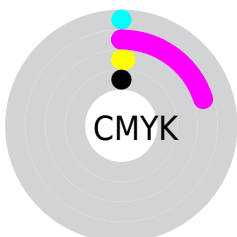
Blue (99%)



Red (100%)

Yellow (80%)

Blue (99%)

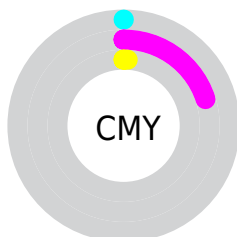


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6420, 71.9509, 101.7331 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 80.6420, 71.9509, 101.7331 by changing the saturation by 10% instead.

80.6420, 71.9509,
101.7331

80.6420, 71.9509,
101.7331

485.7974,
467.3707, 587.0290

60.5571, 53.1186,
77.1238

133.2138,
121.9867, 165.6094

44.1190, 37.8974,
56.8423

166.4313,
153.9590, 205.7135

30.9624, 25.9031,
40.4701

204.7571,
191.0800, 251.8196

20.7219, 16.7512,
27.5887

248.5565,
233.7343, 304.3462

13.0322, 10.0572,
17.7795

298.1949,
282.3060, 363.7120

7.5279, 5.4369,
10.6240

354.0376,

3.8436, 2.5058,

337.1798, 430.3353

5.7036

416.4500,
398.7399, 504.6348

■ 1.6140, 0.8796,
2.5999

■ 0.4015, 0.0000,
0.8924

■ 80.6420, 71.9509,
101.7331

■ 80.6420, 71.9509,
101.7331

■ 74.7911, 60.6351,
98.5926

■ 87.4921, 85.2613,
105.2182

■ 69.8864, 51.2090,
95.7762

95.0500, 100.0000,
108.9000

■ 65.8776, 43.5715,
93.2680

■ 62.7074, 37.6083,
91.0489

■ 60.3123, 33.1920,
89.0977

■ 58.6194, 30.1769,
87.3900

■ 57.5419, 28.3899,
85.8970

■ 56.9442, 27.5592,
84.5734

■ 56.9244, 27.5337,
84.5227

Harmonies

Analogous

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



74.8846, 71.9509, 118.9640



80.6420, 71.9509, 101.7331



83.1011, 71.9509, 80.2852

Triad

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



80.6420, 71.9509, 101.7331



69.0623, 71.9509, 45.1548



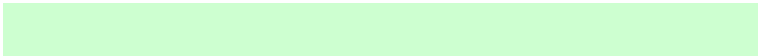
56.8444, 71.9509, 97.8117

Complementary

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



80.6420, 71.9509, 101.7331



72.3241, 89.0542, 73.0547

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.



55.5214, 71.9509, 76.4310



80.6420, 71.9509, 101.7331



62.2769, 71.9509, 48.2130

Square

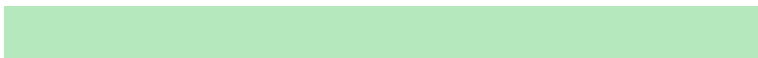
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6420, 71.9509, 101.7331



76.1296, 71.9509, 49.6208



57.4414, 71.9509, 58.8434



61.1884, 71.9509, 116.4362

Rectangle

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



80.6420, 71.9509, 101.7331



82.4195, 71.9509, 67.2365



57.4414, 71.9509, 58.8434



56.0455, 71.9509, 90.6083

Sweetspot

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



80.6436, 71.9537, 101.7346



90.2144, 90.5647, 106.5610



65.7563, 64.2237, 103.5384



19.2019, 19.1746, 22.7556



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.



80.6436, 71.9537, 101.7346



77.9518, 66.7404, 100.3128



77.0074, 70.4993, 82.5867



18.7428, 18.2805, 22.5289



29.7645, 14.3951, 44.2716



2.9118, 1.4071, 4.3829

Inverse Universe

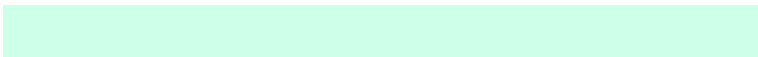
The Inverse Universe completely reimagines the original color for something new.



80.6436, 71.9537, 101.7346



77.9518, 66.7404, 100.3128



75.5754, 90.3548, 90.1757



18.7428, 18.2805, 22.5289



29.7645, 14.3951, 44.2716



2.9118, 1.4071, 4.3829

Previews

White Background



This preview shows how the XYZ color 80.6420, 71.9509, 101.7331 looks on a white background.

Color Contrast Check

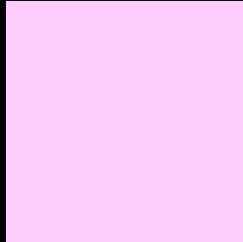
Large Text (above 18pt) WCAG AA × Fail

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 80.6420, 71.9509, 101.7331 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 80.6420, 71.9509, 101.7331

Background



This preview shows how black text looks on a background with the XYZ color 80.6420, 71.9509, 101.7331.



This preview shows how white text looks on a background with the XYZ color 80.6420, 71.9509,

101.7331.

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

80.6420, 71.9509, 101.7331

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.8689, 72.1610, 100.4776



Tritanopia

76.5577, 72.0934, 81.8319

Trichromacy



Original Color

80.6420, 71.9509, 101.7331



Protanomaly

74.2491, 71.9069, 103.7320



Deuteranomaly

75.9667, 71.7307, 101.1083



Tritanomaly

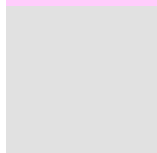
77.6962, 71.8054, 88.3621

Monochromacy



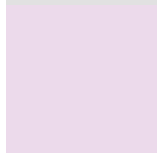
Original Color

80.6420, 71.9509, 101.7331



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

74.6589, 73.9738, 88.9407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6420, 71.9509, 101.7331 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, 205, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 252)  
}
```

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, 205, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 252) }
```

Border

The CSS property to change the border of an element to XYZ 80.6420, 71.9509, 101.7331 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, 205, 252) }
```


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

```
.border{ border-color:rgb(255, 205, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6420, 71.9509, 101.7331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 252) }
```

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

```
.background{ background-color: rgb(255,  
205, 252) }
```

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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