

Converting Colors

XYZ(80.4324, 71.1113,
102.9591)

Have a look what the booklet for
XYZ(80.4324, 71.1113, 102.9591)
contains.

XYZ(80.4853, 71.1276, 103.2529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.4853, 71.1276,
103.2529)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBFE
RGB	255, 203, 254
RGB Percent	100%, 80%, 100%
CMY	0.0000, 0.2039, 0.0039
CMYK	0.00, 0.20, 0.00, 0.00
HSL	301°, 100%, 90%
HSV	301°, 20%, 100%
XYZ	80.4853, 71.1276, 103.2529
YIQ	224.3620, 14.6210, 26.8850

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 203, 254
Decimal	16763902
CIE Lab	87.55, 26.71, -17.96
CIE LCh	88, 32.192, 326.084
Yxy	71.1276, 0.3158, 0.2791
Android (android.graphics.Color)	4294953982 (0xFFFFCBFE)
YUV	224.3620, 14.6115, 26.8695
Hunter-Lab	84.3372, 22.7574, -13.5519

Details

The XYZ color **80.4853, 71.1276, 103.2529** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.2898, 88.5772, 70.4693**, and the grayscale version is **71.0033, 74.7010, 81.3494**.

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 **74.8734, 60.0289, 100.9967**, and if you desaturate by 10%, it is **87.0909, 84.2127, 105.8433**.

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 80.4853, 71.1276, 103.2529 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 80.4853, 71.1276, 103.2529 by changing the saturation by 10% instead.

80.4853, 71.1276,
103.2529

80.4853, 71.1276,
103.2529

485.2785,
464.4994, 591.9077

60.4276, 52.4463,
78.3880

132.9948,
120.8154, 167.7110

44.0142, 37.3610,
57.8744

166.1773,
152.5907, 208.1413

30.8796, 25.4871,
41.2936

204.4654,
189.4995, 254.5970

20.6586, 16.4403,
28.2272

248.2246,
231.9262, 307.4969

12.9857, 9.8363,
18.2564

297.8201,
280.2551, 367.2593

7.4956, 5.2905,
10.9629

353.6174,

3.8230, 2.4187,

334.8707, 434.3029

5.9280

415.9817,
396.1573, 509.0462

■ 1.6025, 0.8355,
2.7333

■ 0.3940, 0.0000,
0.9601

■ 80.4853, 71.1276,
103.2529

■ 80.4853, 71.1276,
103.2529

■ 74.8734, 60.0289,
100.9967

■ 87.0909, 84.2127,
105.8433

■ 70.2022, 50.8115,
99.0541

94.7305, 99.3660,
108.7783

■ 66.4208, 43.3734,
97.4090

95.0500, 100.0000,
108.9000

■ 63.4716, 37.5994,
96.0424

■ 61.2903, 33.3609,
94.9327

■ 59.8033, 30.5107,
94.0554

■ 58.9224, 28.8724,
93.3812

■ 58.5113, 28.1685,
92.8793

Harmonies

Analogous

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



74.2428, 71.1276, 121.4965



80.4853, 71.1276, 103.2529



83.2743, 71.1276, 80.3423

Triad

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



80.4853, 71.1276, 103.2529



68.6086, 71.1276, 42.7172



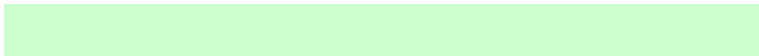
55.2989, 71.1276, 97.3657

Complementary

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



80.4853, 71.1276, 103.2529



71.2898, 88.5772, 70.4693

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.



54.0354, 71.1276, 74.6199



80.4853, 71.1276, 103.2529



61.3745, 71.1276, 45.5831

Square

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



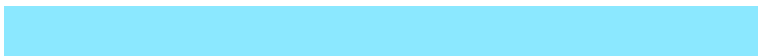
80.4853, 71.1276, 103.2529



76.0998, 71.1276, 47.6221



56.1772, 71.1276, 56.3427



59.7664, 71.1276, 117.6745

Rectangle

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



80.4853, 71.1276, 103.2529



82.6571, 71.1276, 66.4091



56.1772, 71.1276, 56.3427



54.5004, 71.1276, 89.6423

Sweetspot

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



80.4869, 71.1304, 103.2544



90.3146, 90.6048, 107.0883



64.2741, 62.7539, 103.3328



19.2256, 19.1841, 22.8807



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.



80.4869, 71.1304, 103.2544



78.3486, 66.8991, 102.4020



76.6198, 69.5836, 82.8907



18.7767, 18.2940, 22.7074



30.5803, 14.7214, 48.5676



2.9821, 1.4352, 4.7532

Inverse Universe

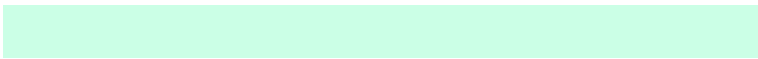
The Inverse Universe completely reimagines the original color for something new.



80.4869, 71.1304, 103.2544



78.3486, 66.8991, 102.4020



74.6547, 89.9231, 88.1890



18.7767, 18.2940, 22.7074



30.5803, 14.7214, 48.5676



2.9821, 1.4352, 4.7532

Previews

White Background



This preview shows how the XYZ color 80.4853, 71.1276, 103.2529 looks on a white background.

Color Contrast Check

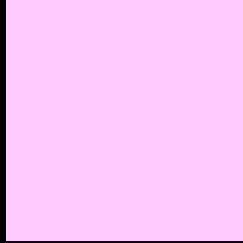
Large Text (above 18pt) WCAG AA × Fail

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 80.4853, 71.1276, 103.2529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

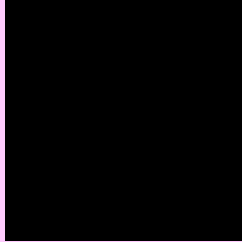
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4853, 71.1276, 103.2529

Background



This preview shows how black text looks on a background with the XYZ color 80.4853, 71.1276, 103.2529.



This preview shows how white text looks on a background with the XYZ color 80.4853, 71.1276,

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

80.4853, 71.1276, 103.2529

Protanopia

70.2728, 71.3599, 104.6778

Deuteranopia

72.9813, 71.2902, 102.0093



Tritanopia

75.7941, 71.0028, 80.2311

Trichromacy



Original Color

80.4853, 71.1276, 103.2529



Protanomaly

73.8392, 71.3025, 104.4788



Deuteranomaly

75.7013, 71.1896, 102.6796



Tritanomaly

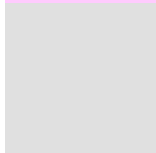
77.2116, 70.8362, 88.2005

Monochromacy



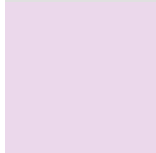
Original Color

80.4853, 71.1276, 103.2529



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

73.8122, 72.7721, 88.7534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4853, 71.1276, 103.2529 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, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 254) }
```

Border

The CSS property to change the border of an element to XYZ 80.4853, 71.1276, 103.2529 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, 203, 254) }
```


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

```
.border{ border-color:rgb(255, 203, 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, 203, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4853, 71.1276, 103.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 254) }
```

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

```
.background{ background-color: rgb(255,  
203, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor