

Converting Colors

XYZ(80.6835, 71.5630,
104.1683)

Have a look what the booklet for
XYZ(80.6835, 71.5630, 104.1683)
contains.

XYZ(80.5159, 71.4766, 104.1604)	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(80.5159, 71.4766,
104.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	FECCFF
RGB	254, 204, 255
RGB Percent	100%, 80%, 100%
CMY	0.0039, 0.2000, 0.0000
CMYK	0.00, 0.20, 0.00, 0.00
HSL	299°, 100%, 90%
HSV	299°, 20%, 100%
XYZ	80.5159, 71.4766, 104.1604
YIQ	224.7640, 13.4290, 26.4610

Conversions

Conversions Part 2

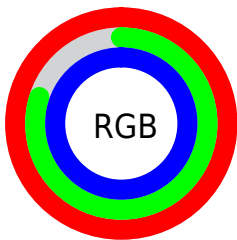
Format	Color
RYB	254, 204, 255
Decimal	16698623
CIELab	87.72, 26.05, -18.24
CIELCh	88, 31.800, 324.989
Yxy	71.4766, 0.3143, 0.2790
Android (android.graphics.Color)	4294888703 (0xFFFECCFF)
YUV	224.7640, 14.9063, 25.6400
Hunter-Lab	84.5438, 22.0440, -13.8663

Details

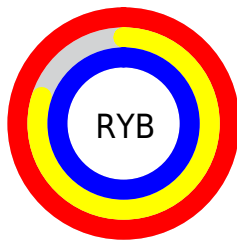
The XYZ color **80.5159, 71.4766, 104.1604** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.8378, 88.8597, 70.4958**, and the grayscale version is **71.2900, 75.0027, 81.6779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9664, 37.4424, 58.3359** is the 20% darker color. If you saturate the color by 10%, you get **74.7624, 60.2395, 102.2947**, and if you desaturate by 10%, it is **87.2661, 84.7044, 106.3579**.

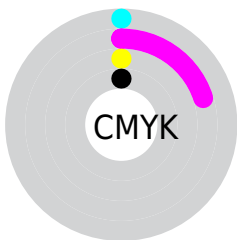
Distribution



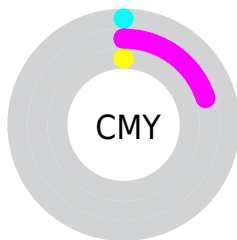
- Red (100%)
- Green (80%)
- Blue (100%)



- 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 80.5159, 71.4766, 104.1604 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 80.5159, 71.4766, 104.1604 by changing the saturation by 10% instead.

80.5159, 71.4766,
104.1604

80.5159, 71.4766,
104.1604

485.3798,
465.7178, 594.8108

60.4529, 52.7312,
79.1434

133.0375,
121.3121, 168.9644

44.0346, 37.5883,
58.4917

166.2269,
153.1710, 209.5885

30.8958, 25.6633,
41.7868

204.5224,
190.1699, 256.2521

20.6709, 16.5719,
28.6100

248.2894,
232.6932, 309.3737

12.9948, 9.9297,
18.5430

297.8933,
281.1252, 369.3718

7.5019, 5.3524,
11.1671

353.6995,

3.8270, 2.4555,

335.8504, 436.6650

6.0637

416.0732,
397.2531, 511.6718

■ 1.6048, 0.8542,
2.8145

■ 0.3955, 0.0000,
1.0007

■ 80.5159, 71.4766,
104.1604

■ 80.5159, 71.4766,
104.1604

■ 74.7624, 60.2395,
102.2947

■ 87.2661, 84.7044,
106.3579

■ 69.9513, 50.8876,
100.7432

95.0500, 100.0000,
108.9000

■ 66.0325, 43.3194,
99.4889

■ 62.9485, 37.4202,
98.5128

■ 60.6354, 33.0621,
97.7935

■ 59.0199, 30.0985,
97.3066

■ 58.0147, 28.3548,
97.0231

■ 57.4771, 27.5455,
96.8952

■ 57.4770, 27.5454,
96.8952

Harmonies

Analogous

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



74.2468, 71.4766, 121.8513



80.5159, 71.4766, 104.1604



83.4263, 71.4766, 81.5089

Triad

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



80.5159, 71.4766, 104.1604



69.2105, 71.4766, 43.3589



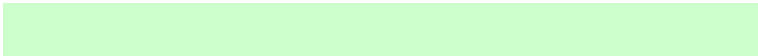
55.6249, 71.4766, 96.7169

Complementary

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



80.5159, 71.4766, 104.1604



71.8378, 88.8597, 70.4958

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.



54.4933, 71.4766, 74.2555



80.5159, 71.4766, 104.1604



61.9940, 71.4766, 45.9325

Square

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



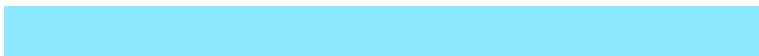
80.5159, 71.4766, 104.1604



76.5982, 71.4766, 48.5316



56.7405, 71.4766, 56.3523



59.9535, 71.4766, 117.0267

Rectangle

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



80.5159, 71.4766, 104.1604



82.9251, 71.4766, 67.5734



56.7405, 71.4766, 56.3523



54.8722, 71.4766, 89.0662

Sweetspot

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



80.5179, 71.4796, 104.1609



90.2517, 90.5669, 107.3321



64.9539, 64.0592, 103.5490



19.2107, 19.1751, 22.9386



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.



80.5179, 71.4796, 104.1609



78.0978, 66.7481, 103.3752



77.2867, 70.2295, 85.2337



18.7554, 18.2812, 22.7901



30.0489, 14.4013, 50.6306



2.9365, 1.4078, 4.9302

Inverse Universe

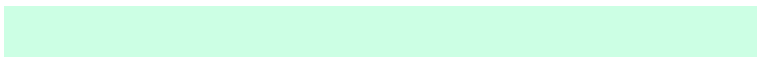
The Inverse Universe completely reimagines the original color for something new.



73.8542, 68.8565, 67.1584



70.3374, 63.6947, 60.2158



74.6397, 89.9487, 86.6835



18.0238, 17.9928, 18.7426



21.5693, 11.1170, 1.1165



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 80.5159, 71.4766, 104.1604 looks on a white background.

Color Contrast Check

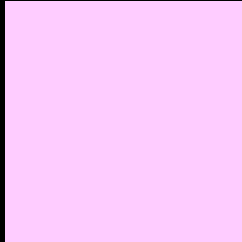
Large Text (above 18pt) WCAG AA × Fail

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 80.5159, 71.4766, 104.1604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

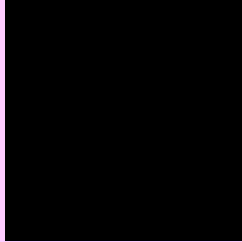
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5159, 71.4766, 104.1604

Background



This preview shows how black text looks on a background with the XYZ color 80.5159, 71.4766, 104.1604.



This preview shows how white text looks on a background with the XYZ color 80.5159, 71.4766,

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

80.5159, 71.4766, 104.1604

Protanopia

70.8221, 72.0292, 104.7780

Deuteranopia

73.3941, 71.8615, 102.9309



Tritanopia

75.9523, 71.4159, 81.7330

Trichromacy



Original Color

80.5159, 71.4766, 104.1604

Protanomaly

74.0915, 71.8071, 104.5629

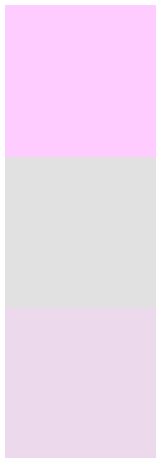
Deuteranomaly

75.7757, 71.5772, 103.5879

Tritanomaly

77.3825, 71.2493, 89.7948

Monochromacy



Original Color

80.5159, 71.4766, 104.1604

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 80.5159, 71.4766, 104.1604 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(254, 204, 255)` looks like.

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

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(254, 204, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 80.5159, 71.4766, 104.1604 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(254, 204, 255) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(254, 204, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 80.5159, 71.4766, 104.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 204, 255) }
```

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

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

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