

Converting Colors

XYZ(134.9554, 100.0000,
105.3656)

Have a look what the booklet for
XYZ(134.9554, 100.0000, 105.3656)
contains.

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Color

**XYZ(80.8009, 72.0145,
102.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDFD
RGB	255, 205, 253
RGB Percent	100%, 80%, 99%
CMY	0.0000, 0.1961, 0.0078
CMYK	0.00, 0.20, 0.01, 0.00
HSL	302°, 100%, 90%
HSV	302°, 20%, 100%
XYZ	80.8009, 72.0145, 102.5700
YIQ	225.4220, 14.3920, 25.5280

Conversions

Conversions Part 2

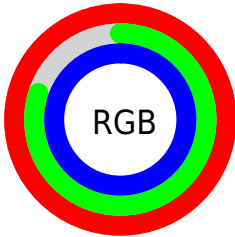
Format	Color
R _Y B	255, 205, 253
Decimal	16764413
CIE Lab	87.98, 25.48, -16.79
CIE LCh	88, 30.518, 326.623
Yxy	72.0145, 0.3164, 0.2820
Android (android.graphics.Color)	4294954493 (0xFFFFCDFD)
YUV	225.4220, 13.5960, 25.9399
Hunter-Lab	84.8614, 21.4517, -12.2595

Details

The XYZ color **80.8009, 72.0145, 102.5700** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.2015, 89.0052, 72.4087**, and the grayscale version is **71.7711, 75.5088, 82.2291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1589, 37.8040, 57.1940** is the 20% darker color. If you saturate the color by 10%, you get **75.0295, 60.7305, 99.8480**, and if you desaturate by 10%, it is **87.5705, 85.2927, 105.6310**.

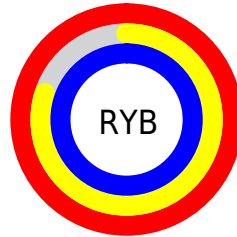
Distribution



Red (100%)

Green (80%)

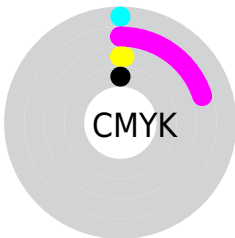
Blue (99%)



Red (100%)

Yellow (80%)

Blue (99%)

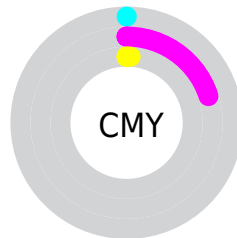


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8009, 72.0145, 102.5700 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 80.8009, 72.0145, 102.5700 by changing the saturation by 10% instead.


 80.8009, 72.0145,
102.5700

 80.8009, 72.0145,
102.5700


486.3234,
467.5921, 589.7182

 60.6884, 53.1705,
77.8198


133.4358,
122.0771, 166.7671

 44.2253, 37.9389,
57.4104


166.6889,
154.0646, 207.0510

 31.0463, 25.9353,
40.9232


205.0528,
191.2020, 253.3499

 20.7861, 16.7752,
27.9399

248.8930,
233.8738, 306.0824

 13.0793, 10.0744,
18.0417

298.5748,
282.4642, 365.6669

 7.5606, 5.4483,
10.8102

354.4636,

 3.8645, 2.5126,

337.3579, 432.5220

5.8268

416.9246,
398.9390, 507.0662

■ 1.6258, 0.8829,
2.6730

■ 0.4091, 0.0000,
0.9298

■ 80.8009, 72.0145,
102.5700

■ 80.8009, 72.0145,
102.5700

■ 75.0295, 60.7305,
99.8480

■ 87.5705, 85.2927,
105.6310

■ 70.2032, 51.3358,
97.4443

95.0500, 100.0000,
108.9000

■ 66.2717, 43.7292,
95.3431

■ 63.1777, 37.7964,
93.5254

■ 60.8578, 33.4102,
91.9699

■ 59.2389, 30.4248,
90.6524

■ 58.2345, 28.6669,
89.5440

■ 57.7087, 27.8650,
88.5993

■ 57.6917, 27.8407,
88.5634

Harmonies

Analogous

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



74.9068, 72.0145, 119.9360



80.8009, 72.0145, 102.5700



83.3766, 72.0145, 80.7939

Triad

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



80.8009, 72.0145, 102.5700



69.2745, 72.0145, 44.8441



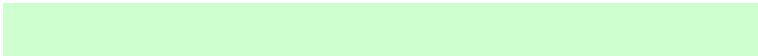
56.6929, 72.0145, 97.7609

Complementary

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



80.8009, 72.0145, 102.5700



72.2015, 89.0052, 72.4087

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.



55.4164, 72.0145, 76.0765



80.8009, 72.0145, 102.5700



62.3708, 72.0145, 47.7836

Square

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



80.8009, 72.0145, 102.5700



76.4319, 72.0145, 49.4991



57.4223, 72.0145, 58.3797



61.0397, 72.0145, 116.8321

Rectangle

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



80.8009, 72.0145, 102.5700



82.7393, 72.0145, 67.5041



57.4223, 72.0145, 58.3797



55.9044, 72.0145, 90.4349

Sweetspot

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



80.8025, 72.0174, 102.5715



90.2635, 90.5843, 106.8194



65.5234, 64.1037, 103.5275



19.2135, 19.1793, 22.8169



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.



80.8025, 72.0174, 102.5715



78.1458, 66.8180, 101.3342



77.1231, 70.5456, 83.1957



18.7594, 18.2871, 22.6164



30.1590, 14.5529, 46.3494



2.9459, 1.4207, 4.5623

Inverse Universe

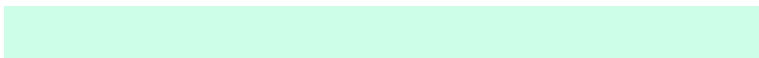
The Inverse Universe completely reimagines the original color for something new.



80.8025, 72.0174, 102.5715



78.1458, 66.8180, 101.3342



75.4570, 90.3074, 89.5520



18.7594, 18.2871, 22.6164



30.1590, 14.5529, 46.3494



2.9459, 1.4207, 4.5623

Previews

White Background



This preview shows how the XYZ color 80.8009, 72.0145, 102.5700 looks on a white background.

Color Contrast Check

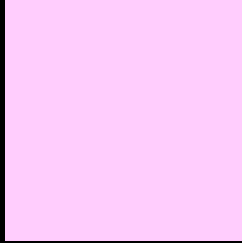
Large Text (above 18pt) WCAG AA × Fail

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 80.8009, 72.0145, 102.5700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

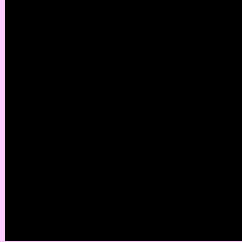
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8009, 72.0145, 102.5700

Background



This preview shows how black text looks on a background with the XYZ color 80.8009, 72.0145, 102.5700.



This preview shows how white text looks on a background with the XYZ color 80.8009, 72.0145,

102.5700.

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

80.8009, 72.0145, 102.5700

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.7079, 72.0599, 101.2909



Tritanopia

76.5577, 72.0934, 81.8319

Trichromacy



Original Color

80.8009, 72.0145, 102.5700



Protanomaly

74.2491, 71.9069, 103.7320



Deuteranomaly

76.1248, 71.7939, 101.9409



Tritanomaly

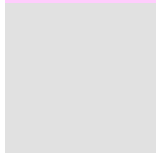
77.8411, 71.8633, 89.1252

Monochromacy



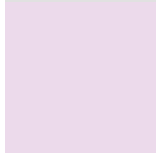
Original Color

80.8009, 72.0145, 102.5700



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 80.8009, 72.0145, 102.5700 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 253) }
```

Border

The CSS property to change the border of an element to XYZ 80.8009, 72.0145, 102.5700 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, 253) }
```


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

```
.border{ border-color:rgb(255, 205, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8009, 72.0145, 102.5700 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, 253) }
```

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

```
.background{ background-color: rgb(255,  
205, 253) }
```

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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