

Converting Colors

XYZ(88.0407, 76.8443,
146.0808)

Have a look what the booklet for
XYZ(88.0407, 76.8443, 146.0808)
contains.

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Color

**XYZ(80.4112, 73.9483,
104.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	F9D3FF
RGB	249, 211, 255
RGB Percent	98%, 83%, 100%
CMY	0.0235, 0.1725, 0.0000
CMYK	0.02, 0.17, 0.00, 0.00
HSL	292°, 100%, 91%
HSV	292°, 17%, 100%
XYZ	80.4112, 73.9483, 104.6431
YIQ	227.3780, 8.5240, 21.7400

Conversions

Conversions Part 2

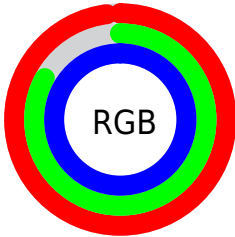
Format	Color
R _Y B	249, 211, 255
Decimal	16372735
CIE Lab	88.90, 20.75, -16.51
CIE LCh	89, 26.514, 321.485
Yxy	73.9483, 0.3105, 0.2855
Android (android.graphics.Color)	4294562815 (0xFFFF9D3FF)
YUV	227.3780, 13.6176, 18.9625
Hunter-Lab	85.9932, 16.4251, -11.9534

Details

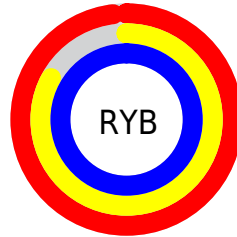
The XYZ color **80.4112, 73.9483, 104.6431** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.1350, 90.9757, 75.1791**, and the grayscale version is **73.1902, 77.0018, 83.8549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8197, 39.0606, 58.6560** is the 20% darker color. If you saturate the color by 10%, you get **73.3446, 61.6369, 102.6392**, and if you desaturate by 10%, it is **88.5096, 88.2874, 106.9840**.

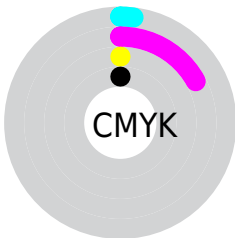
Distribution



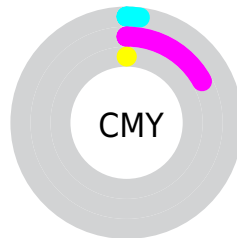
- Red (98%)
- Green (83%)
- Blue (100%)



- Red (98%)
- Yellow (83%)
- Blue (100%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4112, 73.9483, 104.6431 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 80.4112, 73.9483, 104.6431 by changing the saturation by 10% instead.


 80.4112, 73.9483,
104.6431

 80.4112, 73.9483,
104.6431


485.0330,
474.2949, 596.3519

 60.3664, 54.7517,
79.5454


132.8912,
124.8225, 169.6307

 43.9646, 39.2030,
58.8204


166.0571,
157.2689, 210.3576

 30.8405, 26.9177,
42.0495


204.3275,
194.9008, 257.1314

 20.6287, 17.5114,
28.8142

248.0676,
238.1024, 310.3706

 12.9637, 10.5998,
18.6959

297.6428,
287.2583, 370.4937

 7.4804, 5.7984,
11.2762

353.4186,

 3.8133, 2.7229,

342.7527, 437.9192

6.1364

415.7602,
404.9701, 513.0658

■ 1.5971, 0.9888,
2.8581

■ 0.3905, 0.0000,
1.0226

■ 80.4112, 73.9483,
104.6431

■ 80.4112, 73.9483,
104.6431

■ 73.3446, 61.6369,
102.6392

■ 88.5096, 88.2874,
106.9840

■ 67.2563, 51.2494,
100.9551

95.0500, 100.0000,
108.9000

■ 62.0973, 42.6866,
99.5742

■ 57.8115, 35.8368,
98.4779

■ 54.3370, 30.5762,
97.6457

■ 51.6032, 26.7638,
97.0539

■ 49.5272, 24.2342,
96.6750

■ 48.0021, 22.7738,
96.4735

■ 47.6357, 22.4720,
96.4346

Harmonies

Analogous

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



74.9124, 73.9483, 118.1678



80.4112, 73.9483, 104.6431



83.2371, 73.9483, 85.8750

Triad

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



80.4112, 73.9483, 104.6431



72.1324, 73.9483, 50.3277



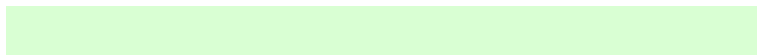
59.3964, 73.9483, 94.1961

Complementary

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



80.4112, 73.9483, 104.6431



76.1350, 90.9757, 75.1791

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.



58.7526, 73.9483, 75.3869



80.4112, 73.9483, 104.6431



65.8534, 73.9483, 51.8565

Square

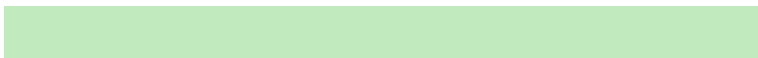
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



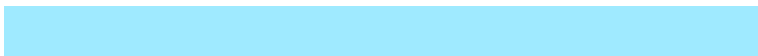
80.4112, 73.9483, 104.6431



78.2700, 73.9483, 55.8659



61.0479, 73.9483, 60.4174



62.8636, 73.9483, 111.5251

Rectangle

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



80.4112, 73.9483, 104.6431



83.1126, 73.9483, 73.6698



61.0479, 73.9483, 60.4174



58.8514, 73.9483, 87.7761

Sweetspot

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



80.4132, 73.9514, 104.6436



90.4799, 91.8050, 107.5591



69.8846, 71.0078, 104.6303



19.2336, 19.4127, 22.9833



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.



80.4132, 73.9514, 104.6436



77.6464, 69.1049, 103.8539



80.2048, 74.1190, 92.2076



18.5348, 18.1674, 22.7797



24.9849, 11.7907, 50.3936



2.4971, 1.1812, 4.9097

Inverse Universe

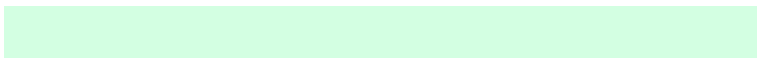
The Inverse Universe completely reimagines the original color for something new.



77.0606, 72.8613, 75.6504



73.7095, 67.8345, 69.3686



76.4085, 90.8829, 85.7573



18.1102, 18.0274, 19.1975



21.7361, 11.1837, 1.9948



2.1457, 1.1007, 0.3490

Previews

White Background



This preview shows how the XYZ color 80.4112, 73.9483, 104.6431 looks on a white background.

Color Contrast Check

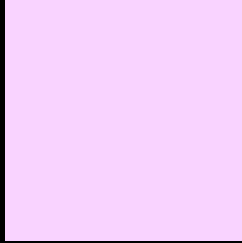
Large Text (above 18pt) WCAG AA × Fail

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 80.4112, 73.9483, 104.6431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

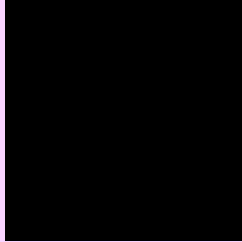
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4112, 73.9483, 104.6431

Background



This preview shows how black text looks on a background with the XYZ color 80.4112, 73.9483, 104.6431.



This preview shows how white text looks on a background with the XYZ color 80.4112, 73.9483,

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

80.4112, 73.9483, 104.6431

Protanopia

72.7865, 74.2143, 105.0963

Deuteranopia

75.9158, 74.2875, 104.1037



Tritanopia

76.8720, 74.0199, 86.5796

Trichromacy



Original Color

80.4112, 73.9483, 104.6431

Protanomaly

75.4345, 74.0208, 104.9194

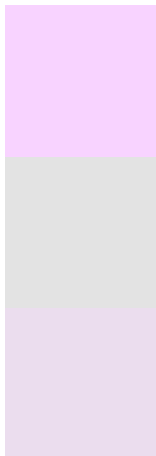
Deuteranomaly

77.4497, 73.9338, 103.9545

Tritanomaly

78.1325, 74.1586, 92.6341

Monochromacy



Original Color

80.4112, 73.9483, 104.6431

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

75.4035, 75.4895, 90.7175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4112, 73.9483, 104.6431 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(249, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 211, 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(249, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.4112, 73.9483, 104.6431 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(249, 211, 255) }
```


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

```
.border{ border-color:rgb(249, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 211,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4112, 73.9483, 104.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 211, 255) }
```

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

```
.background{ background-color: rgb(249,  
211, 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](#).

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