

# Converting Colors

XYZ(103.6115, 83.2028,  
169.6029)

Have a look what the booklet for  
XYZ(103.6115, 83.2028, 169.6029)  
contains.

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# Color

**XYZ(81.6028, 73.1056,  
104.4176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCFFF
RGB	255, 207, 255
RGB Percent	100%, 81%, 100%
CMY	0.0000, 0.1882, 0.0000
CMYK	0.00, 0.19, 0.00, 0.00
HSL	300°, 100%, 91%
HSV	300°, 19%, 100%
XYZ	81.6028, 73.1056, 104.4176
YIQ	226.8240, 13.2000, 25.1040

# Conversions

## Conversions Part 2

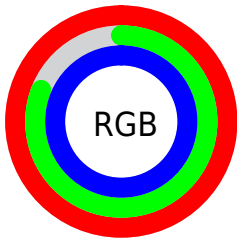
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 207, 255
Decimal	16764927
CIE <sub>Lab</sub>	88.50, 24.79, -17.06
CIE <sub>LCh</sub>	88, 30.096, 325.472
Yxy	73.1056, 0.3149, 0.2821
Android (android.graphics.Color)	4294955007 (0xFFFFCFFF)
YUV	226.8240, 13.8908, 24.7104
Hunter-Lab	85.5018, 20.7320, -12.5556

# Details

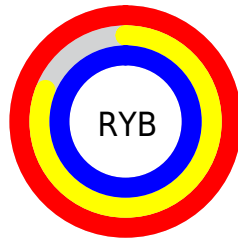
The XYZ color **81.6028, 73.1056, 104.4176** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.7569, 89.2915, 72.4354**, and the grayscale version is **72.7828, 76.5731, 83.3881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7100, 38.5395, 58.5085** is the 20% darker color. If you saturate the color by 10%, you get **75.9169, 61.7338, 102.5223**, and if you desaturate by 10%, it is **88.2892, 86.4783, 106.6464**.

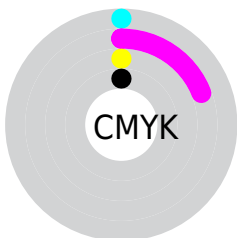
# Distribution



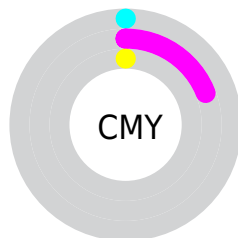
- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6028, 73.1056, 104.4176 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 81.6028, 73.1056, 104.4176 by changing the saturation by 10% instead.




 81.6028, 73.1056,  
104.4176

 81.6028, 73.1056,  
104.4176


488.9728,  
471.3807, 595.6322

 61.3512, 54.0623,  
79.3576


134.5556,  
123.6271, 169.3195

 44.7623, 38.6515,  
58.6668


167.9875,  
155.8741, 209.9984

 31.4707, 26.4887,  
41.9267


206.5434,  
193.2912, 256.7207

 21.1111, 17.1896,  
28.7188

250.5889,  
236.2627, 309.9050

 13.3182, 10.3698,  
18.6244

300.4892,  
285.1730, 369.9697

 7.7265, 5.6448,  
11.2252

356.6098,

 3.9708, 2.6303,

340.4065, 437.3335

6.1024

419.3158,  
402.3476, 512.4148

■ 1.6856, 0.9419,  
2.8377

■ 0.4472, 0.0000,  
1.0124

■ 81.6028, 73.1056,  
104.4176

■ 81.6028, 73.1056,  
104.4176

■ 75.9169, 61.7338,  
102.5223

■ 88.2892, 86.4783,  
106.6464

■ 71.1794, 52.2588,  
100.9431

95.0500, 100.0000,  
108.9000

■ 67.3401, 44.5801,  
99.6634

■ 64.3422, 38.5843,  
98.6641

■ 62.1226, 34.1452,  
97.9242

■ 60.6094, 31.1189,  
97.4198

■ 59.7173, 29.3347,  
97.1224

■ 59.3226, 28.5452,  
96.9909

■ 59.2900, 28.4800,  
96.9800

# Harmonies

## Analogous

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



75.6487, 73.1056, 121.3156



81.6028, 73.1056, 104.4176



84.3149, 73.1056, 82.7903

# Triad

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



81.6028, 73.1056, 104.4176



70.5900, 73.1056, 46.0886



57.6535, 73.1056, 98.0170

# Complementary

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



81.6028, 73.1056, 104.4176



72.7569, 89.2915, 72.4354

# 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.



56.5041, 73.1056, 76.4919



81.6028, 73.1056, 104.4176



63.6650, 73.1056, 48.7452

# Square

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



81.6028, 73.1056, 104.4176



77.6821, 73.1056, 51.0515



58.6299, 73.1056, 59.0630



61.8852, 73.1056, 117.1928



# Rectangle

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



81.6028, 73.1056, 104.4176



83.7912, 73.1056, 69.4254



58.6299, 73.1056, 59.0630



56.9070, 73.1056, 90.7222

# Sweetspot

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



81.6042, 73.1084, 104.4181



90.3618, 90.6237, 107.3373



66.0979, 65.1146, 103.6924



19.2369, 19.1886, 22.9398



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.



81.6042, 73.1084, 104.4181



79.1090, 68.1179, 103.5863



77.9784, 71.6581, 85.3249



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

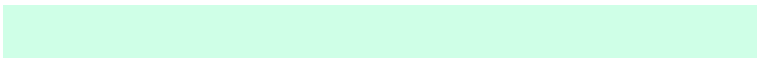
The Inverse Universe completely reimagines the original color for something new.



81.6042, 73.1084, 104.4181



79.1090, 68.1179, 103.5863



75.9179, 90.5559, 89.0811



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 81.6028, 73.1056, 104.4176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

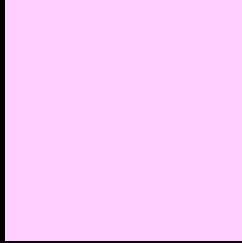
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6028, 73.1056, 104.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

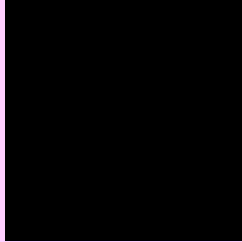
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.6028, 73.1056, 104.4176

## Background



This preview shows how black text looks on a background with the XYZ color 81.6028, 73.1056, 104.4176.



This preview shows how white text looks on a background with the XYZ color 81.6028, 73.1056,



# 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

81.6028, 73.1056, 104.4176

### Protanopia

72.2254, 73.5318, 104.9941

### Deuteranopia

74.8556, 73.3756, 103.1461



## Tritanopia

77.3307, 73.1976, 83.4516

# Trichromacy



## Original Color

81.6028, 73.1056, 104.4176

## Protanomaly

75.2390, 73.1547, 104.7625

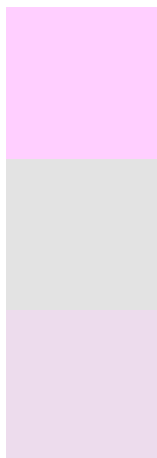
## Deuteranomaly

76.9435, 72.9214, 103.7858

## Tritanomaly

78.6241, 72.9617, 90.8280

# Monochromacy



## Original Color

81.6028, 73.1056, 104.4176

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

75.8043, 75.3053, 90.6608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6028, 73.1056, 104.4176 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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(255, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 81.6028, 73.1056, 104.4176 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, 207, 255) }
```



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

```
.border{ border-color:rgb(255, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.6028, 73.1056, 104.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 255) }
```

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

```
.background{ background-color: rgb(255,  
207, 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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