

# Converting Colors

XYZ(79.2874, 69.1233,  
101.6468)

Have a look what the booklet for  
XYZ(79.2874, 69.1233, 101.6468)  
contains.

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# Color

**XYZ(79.2341, 69.1351,  
101.2638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7FC
RGB	255, 199, 252
RGB Percent	100%, 78%, 99%
CMY	0.0000, 0.2196, 0.0118
CMYK	0.00, 0.22, 0.01, 0.00
HSL	303°, 100%, 89%
HSV	303°, 22%, 100%
XYZ	79.2341, 69.1351, 101.2638
YIQ	221.7860, 16.3630, 28.3550

# Conversions

## Conversions Part 2

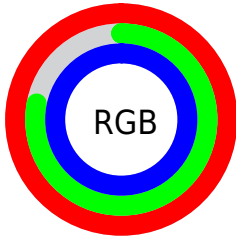
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 199, 252
Decimal	16762876
CIE Lab	86.57, 28.46, -18.38
CIE LCh	87, 33.875, 327.150
Yxy	69.1351, 0.3174, 0.2769
Android (android.graphics.Color)	4294952956 (0xFFFFC7FC)
YUV	221.7860, 14.8955, 29.1287
Hunter-Lab	83.1475, 24.5906, -14.0049

# Details

The XYZ color **79.2341, 69.1351, 101.2638** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.9759, 87.9274, 69.1634**, and the grayscale version is **69.1718, 72.7741, 79.2510**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2644, 36.1967, 56.3361** is the 20% darker color. If you saturate the color by 10%, you get **73.6359, 58.2835, 98.3347**, and if you desaturate by 10%, it is **85.8199, 81.9588, 104.5317**.

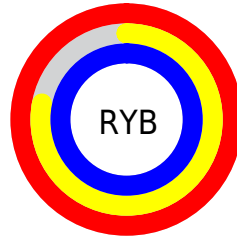
# Distribution



Red (100%)

Green (78%)

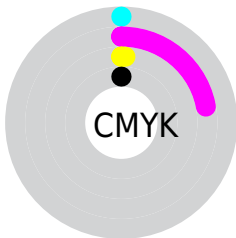
Blue (99%)



Red (100%)

Yellow (78%)

Blue (99%)

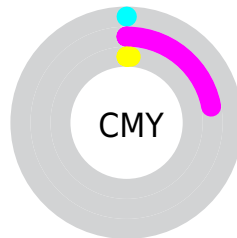


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.2341, 69.1351, 101.2638 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 79.2341, 69.1351, 101.2638 by changing the saturation by 10% instead.



79.2341, 69.1351,  
101.2638

79.2341, 69.1351,  
101.2638

481.1239,  
457.5073, 585.5182

59.3946, 50.8217,  
76.7337

131.2446,  
117.9745, 164.9598

43.1784, 36.0668,  
56.5240

164.1462,  
149.2694, 204.9628

30.2203, 24.4858,  
40.2164

202.1327,  
185.6602, 250.9605

20.1547, 15.6944,  
27.3923

245.5693,  
227.5313, 303.3714

12.6165, 9.3081,  
17.6330

294.8213,  
275.2672, 362.6141

7.2402, 4.9427,  
10.5201


350.2542,


3.6604, 2.2137,

329.2523, 429.1071

5.6351


412.2333,  
389.8708, 503.2690


 1.5119, 0.7274,  
2.5593


 0.3339, 0.0000,  
0.8713


 79.2341, 69.1351,  
101.2638


 79.2341, 69.1351,  
101.2638

 73.6359, 58.2835,  
98.3347


 85.8199, 81.9588,  
104.5317

 68.9718, 49.2980,  
95.7237

 93.4343, 96.8375,  
108.1491

 65.1902, 42.0750,  
93.4145

95.0500, 100.0000,  
108.9000

 62.2326, 36.4974,  
91.3876

■ 60.0334, 32.4342,  
89.6211

■ 58.5171, 29.7344,  
88.0898

■ 57.5926, 28.2157,  
86.7634

■ 57.1686, 27.6314,  
85.8087

# Harmonies

## Analogous

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



72.8470, 69.1351, 120.7010



79.2341, 69.1351, 101.2638



81.9803, 69.1351, 77.4479

# Triad

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



79.2341, 69.1351, 101.2638



66.4648, 69.1351, 39.8107



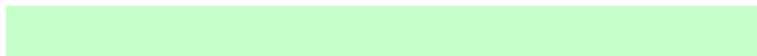
53.1663, 69.1351, 96.7912

# Complementary

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



79.2341, 69.1351, 101.2638



69.9759, 87.9274, 69.1634

# 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.



51.7502, 69.1351, 73.1458



79.2341, 69.1351, 101.2638



59.0567, 69.1351, 42.9730

# Square

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



79.2341, 69.1351, 101.2638



74.2493, 69.1351, 44.4703



53.8211, 69.1351, 54.1652



57.8534, 69.1351, 117.7782



# Rectangle

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



79.2341, 69.1351, 101.2638



81.2260, 69.1351, 63.2279



53.8211, 69.1351, 54.1652



52.3090, 69.1351, 88.7657

# Sweetspot

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



79.2356, 69.1378, 101.2653



89.4641, 89.0739, 106.2806



62.7792, 60.5989, 102.9957



19.0511, 18.8742, 22.7019



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.



79.2356, 69.1378, 101.2653



76.8566, 64.5197, 100.0413



75.1469, 67.5023, 79.7341



18.7482, 18.2826, 22.5570



29.8901, 14.4453, 44.9330



2.9227, 1.4114, 4.4401



# Inverse Universe

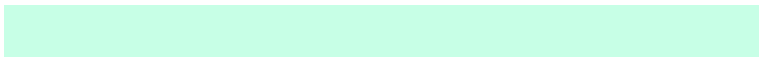
The Inverse Universe completely reimagines the original color for something new.



79.2356, 69.1378, 101.2653



76.8566, 64.5197, 100.0413



73.5699, 89.3650, 88.0892



18.7482, 18.2826, 22.5570



29.8901, 14.4453, 44.9330



2.9227, 1.4114, 4.4401



# Previews

## White Background



This preview shows how the XYZ color 79.2341, 69.1351, 101.2638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

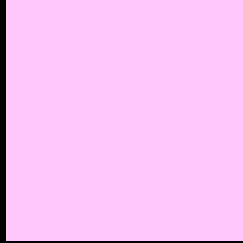
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.2341, 69.1351, 101.2638 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 79.2341, 69.1351, 101.2638

## Background



This preview shows how black text looks on a background with the XYZ color 79.2341, 69.1351, 101.2638.



This preview shows how white text looks on a background with the XYZ color 79.2341, 69.1351,

101.2638.

# 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

79.2341, 69.1351, 101.2638

### Protanopia

68.3629, 69.2308, 104.3675

### Deuteranopia

71.2302, 69.6771, 100.1373



## Tritanopia

74.6661, 69.3923, 77.8653

# Trichromacy



## Original Color

79.2341, 69.1351, 101.2638



## Protanomaly

71.7412, 68.7642, 103.2576



## Deuteranomaly

73.9864, 69.2528, 100.7344



## Tritanomaly

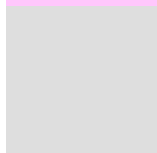
76.0663, 69.2335, 85.6982

# Monochromacy



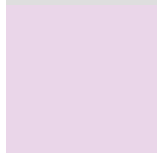
## Original Color

79.2341, 69.1351, 101.2638



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

72.6862, 71.4688, 87.0547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.2341, 69.1351, 101.2638 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, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 252)  
}
```

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, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 79.2341, 69.1351, 101.2638 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, 199, 252) }
```



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

```
.border{ border-color:rgb(255, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.2341, 69.1351, 101.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 252) }
```

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

```
.background{ background-color: rgb(255,  
199, 252) }
```

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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