

# Converting Colors

XYZ(97.1754, 78.3790,  
103.4529)

Have a look what the booklet for  
XYZ(97.1754, 78.3790, 103.4529)  
contains.

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# **Color**

**XYZ(79.5528, 69.2626,  
102.9421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC7FE
RGB	255, 199, 254
RGB Percent	100%, 78%, 100%
CMY	0.0000, 0.2196, 0.0039
CMYK	0.00, 0.22, 0.00, 0.00
HSL	301°, 100%, 89%
HSV	301°, 22%, 100%
XYZ	79.5528, 69.2626, 102.9421
YIQ	222.0140, 15.7210, 28.9770

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 199, 254
Decimal	16762878
CIE <sub>Lab</sub>	86.63, 28.82, -19.34
CIE <sub>LCh</sub>	87, 34.704, 326.134
Yxy	69.2626, 0.3160, 0.2751
Android (android.graphics.Color)	4294952958 (0xFFFFC7FE)
YUV	222.0140, 15.7691, 28.9287
Hunter-Lab	83.2242, 24.9834, -15.0804

# Details

The XYZ color **79.5528, 69.2626, 102.9421** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.7406, 87.8332, 67.9241**, and the grayscale version is **69.3269, 72.9373, 79.4287**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4921, 36.2878, 57.5353** is the 20% darker color. If you saturate the color by 10%, you get **74.0976, 58.4682, 100.7657**, and if you desaturate by 10%, it is **85.9943, 82.0286, 105.4500**.

# Distribution



- Red (100%)
- Green (78%)
- Blue (100%)



- Red (100%)
- Yellow (78%)
- Blue (100%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5528, 69.2626, 102.9421 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 79.5528, 69.2626, 102.9421 by changing the saturation by 10% instead.




 79.5528, 69.2626,  
102.9421

 79.5528, 69.2626,  
102.9421


482.1840,  
457.9566, 590.9117

 59.6576, 50.9256,  
78.1293


131.6906,  
118.1566, 167.2815

 43.3911, 36.1494,  
57.6632


164.6640,  
149.4823, 207.6452

 30.3880, 24.5496,  
41.1250


202.7275,  
185.9065, 254.0296

 20.2828, 15.7418,  
28.0963

246.2464,  
227.8134, 306.8534

 12.7102, 9.3416,  
18.1586

295.5862,  
275.5874, 366.5349

 7.3049, 4.9647,  
10.8933

351.1121,

 3.7015, 2.2266,

329.6131, 433.4928

5.8819

413.1896,  
390.2747, 508.1455

■ 1.5347, 0.7344,  
2.7058

■ 0.3493, 0.0000,  
0.9463

■ 79.5528, 69.2626,  
102.9421

■ 79.5528, 69.2626,  
102.9421

■ 74.0976, 58.4682,  
100.7657

■ 85.9943, 82.0286,  
105.4500

■ 69.5750, 49.5393,  
98.9001

■ 93.4630, 96.8490,  
108.3003

■ 65.9336, 42.3723,  
97.3290

95.0500, 100.0000,  
108.9000

■ 63.1148, 36.8503,  
96.0330

■ 61.0530, 32.8421,  
94.9902

■ 59.6728, 30.1967,  
94.1754

■ 58.8830, 28.7319,  
93.5583

■ 58.5662, 28.1905,  
93.1688

# Harmonies

## Analogous

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



72.8948, 69.2626, 122.6757



79.5528, 69.2626, 102.9421



82.5314, 69.2626, 78.4468

# Triad

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



79.5528, 69.2626, 102.9421



66.8822, 69.2626, 39.2424



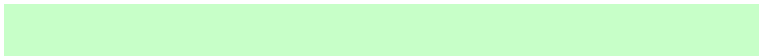
52.8794, 69.2626, 96.6962

# Complementary

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



79.5528, 69.2626, 102.9421



69.7406, 87.8332, 67.9241

# 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.



51.5524, 69.2626, 72.4627



79.5528, 69.2626, 102.9421



59.2409, 69.2626, 42.1822

# Square

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



79.5528, 69.2626, 102.9421



74.8486, 69.2626, 44.2460



53.7872, 69.2626, 53.2929



57.5703, 69.2626, 118.5839



# Rectangle

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



79.5528, 69.2626, 102.9421



81.8647, 69.2626, 63.7450



53.7872, 69.2626, 53.2929



52.0424, 69.2626, 88.4293

# Sweetspot

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



79.5543, 69.2653, 102.9436



89.5664, 89.1148, 106.8195



62.2779, 60.3404, 102.9722



19.0749, 18.8837, 22.8271



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.



79.5543, 69.2653, 102.9436



77.2333, 64.6703, 102.0247



75.4018, 67.6043, 81.0764



18.7779, 18.2945, 22.7134



30.6085, 14.7327, 48.7163



2.9846, 1.4362, 4.7660



# Inverse Universe

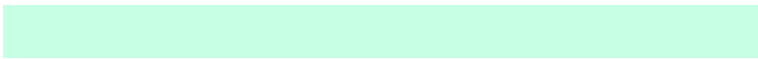
The Inverse Universe completely reimagines the original color for something new.



79.5543, 69.2653, 102.9436



77.2333, 64.6703, 102.0247



73.3094, 89.2608, 86.7175



18.7779, 18.2945, 22.7134



30.6085, 14.7327, 48.7163



2.9846, 1.4362, 4.7660



# Previews

## White Background



This preview shows how the XYZ color 79.5528, 69.2626, 102.9421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

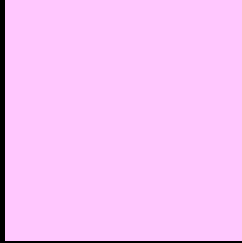
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5528, 69.2626, 102.9421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

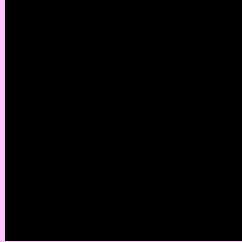
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.5528, 69.2626, 102.9421

## Background



This preview shows how black text looks on a background with the XYZ color 79.5528, 69.2626, 102.9421.



This preview shows how white text looks on a background with the XYZ color 79.5528, 69.2626,



# 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

79.5528, 69.2626, 102.9421

### Protanopia

68.9004, 69.8870, 104.4659

### Deuteranopia

71.2384, 69.6448, 101.7836



## **Tritanopia**

74.3068, 69.2071, 77.8485

# Trichromacy



## Original Color

79.5528, 69.2626, 102.9421



## Protanomaly

72.4606, 69.4819, 104.2000



## Deuteranomaly

73.9741, 69.2099, 102.3885



## Tritanomaly

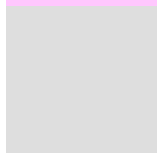
76.2088, 69.2905, 86.4486

# Monochromacy



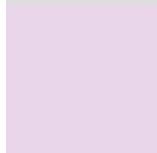
## Original Color

79.5528, 69.2626, 102.9421



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

72.8295, 71.5261, 87.8093

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5528, 69.2626, 102.9421 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5528, 69.2626, 102.9421 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, 254) }
```



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

```
.border{ border-color:rgb(255, 199, 254) }
```

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, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5528, 69.2626, 102.9421 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
199, 254) }
```

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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