

# Converting Colors

XYZ(73.1856, 57.3414, 98.3126)

Have a look what the booklet for  
XYZ(73.1856, 57.3414, 98.3126)  
contains.

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# Color

**XYZ(73.2155, 57.3509,  
98.4777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFABFB
RGB	255, 171, 251
RGB Percent	100%, 67%, 98%
CMY	0.0000, 0.3294, 0.0157
CMYK	0.00, 0.33, 0.02, 0.00
HSL	303°, 100%, 84%
HSV	303°, 33%, 100%
XYZ	73.2155, 57.3509, 98.4777
YIQ	205.2360, 24.3840, 42.6880

# Conversions

## Conversions Part 2

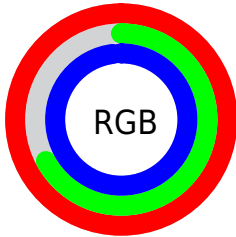
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 171, 251
Decimal	16755707
CIE <sub>Lab</sub>	80.38, 42.93, -27.25
CIE <sub>LCh</sub>	80, 50.845, 327.595
Y <sub>xy</sub>	57.3509, 0.3197, 0.2504
Android (android.graphics.Color)	4294945787 (0xFFFFABFB)
YUV	205.2360, 22.5617, 43.6430
Hunter-Lab	75.7304, 40.0442, -24.0878

# Details

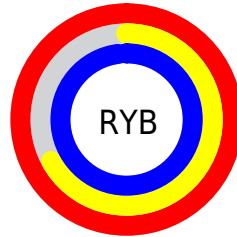
The XYZ color **73.2155, 57.3509, 98.4777** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.2942, 83.2739, 53.4556**, and the grayscale version is **58.0299, 61.0520, 66.4856**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **39.1249, 28.4879, 54.4756** is the 20% darker color. If you saturate the color by 10%, you get **68.6648, 48.5545, 96.0203**, and if you desaturate by 10%, it is **78.6990, 68.0104, 101.2536**.

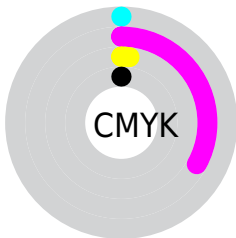
# Distribution



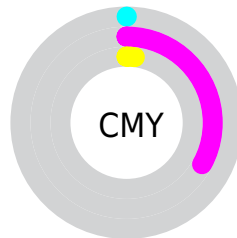
- Red (100%)
- Green (67%)
- Blue (98%)



- Red (100%)
- Yellow (67%)
- Blue (98%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2155, 57.3509, 98.4777 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 73.2155, 57.3509, 98.4777 by changing the saturation by 10% instead.





 73.2155, 57.3509,  
98.4777

 73.2155, 57.3509,  
98.4777


460.8536,  
414.7629, 576.5059

 54.4412, 41.2870,  
74.4200


 122.7846,  
100.9770, 161.0972

 39.1866, 28.5434,  
54.6390

154.3101,  
129.3081, 200.4961

 27.0863, 18.7357,  
38.7161


190.8166,  
162.4969, 245.8459

 17.7750, 11.4795,  
26.2328

232.6697,  
200.9281, 297.5650

 10.8872, 6.3903,  
16.7706

280.2346,  
244.9858, 356.0720

 6.0578, 3.0838,  
9.9108


333.8766,


 2.9213, 1.1757,


295.0546, 421.7854


5.2350


393.9612,  
351.5188, 495.1239


 1.1123, 0.0417,  
2.3247


 0.0353, 0.0000,  
0.7450


 73.2155, 57.3509,  
98.4777


 73.2155, 57.3509,  
98.4777


 68.6648, 48.5545,  
96.0203


 78.6990, 68.0104,  
101.2536

 64.9895, 41.5073,  
93.8599

 85.1609, 80.6249,  
104.3610

 62.1318, 36.0933,  
91.9782

 92.6483, 95.2884,  
107.8163

 60.0252, 32.1797,  
90.3528

95.0500, 100.0000,  
108.9000

■ 58.5932, 29.6131,  
88.9583

■ 57.7425, 28.2072,  
87.7636

■ 57.3964, 27.7226,  
87.0084

# Harmonies

## Analogous

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



64.3175, 57.3509, 128.2698



73.2155, 57.3509, 98.4777



77.0535, 57.3509, 64.8819

# Triad

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



73.2155, 57.3509, 98.4777



55.3546, 57.3509, 20.8979



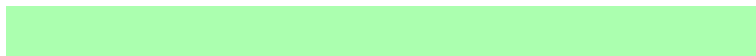
38.6262, 57.3509, 92.9399

# Complementary

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



73.2155, 57.3509, 98.4777



60.2942, 83.2739, 53.4556

# 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.



36.8582, 57.3509, 60.0706



73.2155, 57.3509, 98.4777



45.7545, 57.3509, 24.1744

# Square

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



73.2155, 57.3509, 98.4777



65.9556, 57.3509, 25.4748



39.2977, 57.3509, 36.4879



44.4721, 57.3509, 124.4218



# Rectangle

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



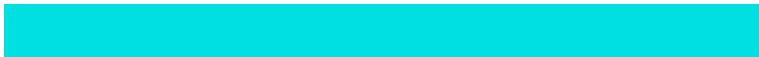
73.2155, 57.3509, 98.4777



75.9021, 57.3509, 46.6708



39.2977, 57.3509, 36.4879



37.5705, 57.3509, 81.4255

# Sweetspot

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



73.2168, 57.3531, 98.4789



87.2530, 84.7178, 105.3397



50.0263, 45.3244, 100.7196



18.4592, 17.7094, 22.4460



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.



73.2168, 57.3531, 98.4789



69.9091, 50.9536, 96.7110



67.4622, 55.0513, 68.1759



18.7531, 18.2846, 22.5830



30.0072, 14.4922, 45.5499



2.9328, 1.4155, 4.4933



# Inverse Universe

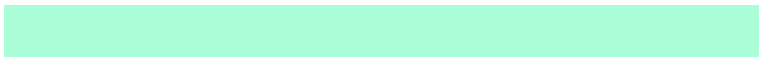
The Inverse Universe completely reimagines the original color for something new.



73.2168, 57.3531, 98.4789



69.9091, 50.9536, 96.7110



64.9251, 85.1263, 77.8412



18.7531, 18.2846, 22.5830



30.0072, 14.4922, 45.5499



2.9328, 1.4155, 4.4933



# Previews

## White Background



This preview shows how the XYZ color 73.2155, 57.3509, 98.4777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

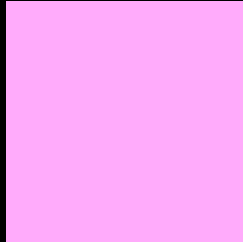
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2155, 57.3509, 98.4777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

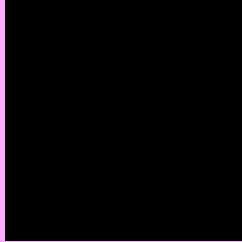
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.2155, 57.3509, 98.4777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.2155, 57.3509, 98.4777.



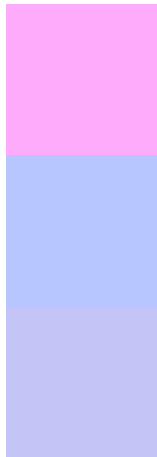
This preview shows how white text looks on a background with the XYZ color 73.2155, 57.3509,

98.4777.

# 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

73.2155, 57.3509, 98.4777

### Protanopia

58.0112, 57.7985, 102.7064

### Deuteranopia

59.1394, 57.8694, 95.2417



## Tritanopia

65.4032, 57.3979, 59.8563

# Trichromacy



## Original Color

73.2155, 57.3509, 98.4777



## Protanomaly

62.4510, 56.8238, 101.4425



## Deuteranomaly

63.3289, 57.0697, 96.4847



## Tritanomaly

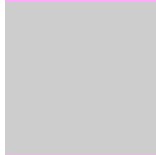
68.0987, 57.3079, 72.4381

# Monochromacy



## Original Color

73.2155, 57.3509, 98.4777



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

62.6862, 59.1018, 77.2111

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2155, 57.3509, 98.4777 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, 171, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 251)  
}
```

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, 171, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2155, 57.3509, 98.4777 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".

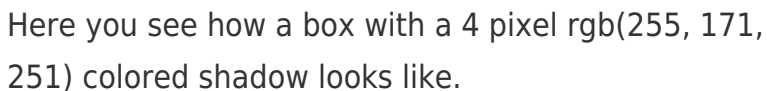
```
.border, #border, table{ border:4px solid rgb(255, 171, 251) }
```



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

```
.border{ border-color:rgb(255, 171, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 171, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 171, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 171, 251); box-shadow:4px 4px 4px 4px rgb(255, 171, 251) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2155, 57.3509, 98.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 251) }
```

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

```
.background{ background-color: rgb(255,  
171, 251) }
```

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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