

# Converting Colors

XYZ(103.6097, 71.1432,  
256.9235)

Have a look what the booklet for  
XYZ(103.6097, 71.1432, 256.9235)  
contains.

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# Color

**XYZ(74.2802, 59.5469,  
102.1865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDB1FF
RGB	253, 177, 255
RGB Percent	99%, 69%, 100%
CMY	0.0078, 0.3059, 0.0000
CMYK	0.01, 0.31, 0.00, 0.00
HSL	298°, 100%, 85%
HSV	298°, 31%, 100%
XYZ	74.2802, 59.5469, 102.1865
YIQ	208.6160, 20.2580, 40.3700

# Conversions

## Conversions Part 2

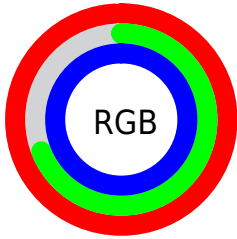
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 177, 255
Decimal	16626175
CIE Lab	81.59, 39.90, -27.55
CIE LCh	82, 48.491, 325.376
Yxy	59.5469, 0.3147, 0.2523
Android (android.graphics.Color)	4294816255 (0xFFFD B1FF)
YUV	208.6160, 22.8673, 38.9248
Hunter-Lab	77.1666, 36.7815, -24.4970

# Details

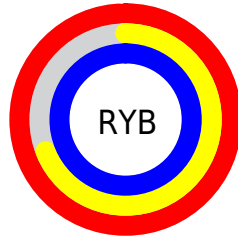
The XYZ color **74.2802, 59.5469, 102.1865** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.2876, 84.2787, 54.5823**, and the grayscale version is **60.2025, 63.3377, 68.9748**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **39.7817, 29.8452, 57.0901** is the 20% darker color. If you saturate the color by 10%, you get **69.4694, 50.2769, 100.6507**, and if you desaturate by 10%, it is **80.0363, 70.7045, 104.0367**.

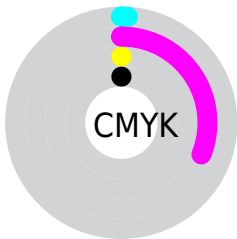
# Distribution



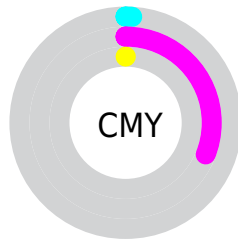
- Red (99%)
- Green (69%)
- Blue (100%)



- Red (99%)
- Yellow (69%)
- Blue (100%)



- Cyan (1%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2802, 59.5469, 102.1865 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 74.2802, 59.5469, 102.1865 by changing the saturation by 10% instead.





 74.2802, 59.5469,  
102.1865

 74.2802, 59.5469,  
102.1865


464.4753,  
422.9256, 588.4867

 55.3155, 43.0535,  
77.5008


 124.2863,  
104.1721, 166.2367

 39.8892, 29.9271,  
57.1500

156.0584,  
133.0727, 206.4383

 27.6360, 19.7833,  
40.7155


192.8304,  
166.8779, 252.6489

 18.1905, 12.2376,  
27.7788

234.9675,  
205.9720, 305.2872

 11.1874, 6.9057,  
17.9214

282.8352,  
250.7394, 364.7715

 6.2612, 3.4032,  
10.7247

336.7988,

 3.0467, 1.3457,

301.5646, 431.5205

5.7702

397.2237,  
358.8319, 505.9528

■ 1.1785, 0.1762,  
2.6393

■ 0.0893, 0.0000,  
0.9127

■ 74.2802, 59.5469,  
102.1865

■ 74.2802, 59.5469,  
102.1865

■ 69.4694, 50.2769,  
100.6507

■ 80.0363, 70.7045,  
104.0367

■ 65.5462, 42.7817,  
99.4108

■ 86.7809, 83.8389,  
106.2164

■ 62.4546, 36.9487,  
98.4478

94.5610, 99.0429,  
108.7410

■ 60.1303, 32.6488,  
97.7404

95.0500, 100.0000,  
108.9000

■ 58.4992, 29.7343,  
97.2638

■ 57.4730, 28.0284,  
96.9886

■ 56.9273, 27.2620,  
96.8694

# Harmonies

## Analogous

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



65.4068, 59.5469, 129.8155



74.2802, 59.5469, 102.1865



78.4342, 59.5469, 69.4613

# Triad

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



74.2802, 59.5469, 102.1865



58.1902, 59.5469, 23.4763



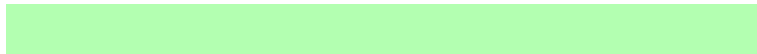
40.6911, 59.5469, 91.9483

# Complementary

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



74.2802, 59.5469, 102.1865



62.2876, 84.2787, 54.5823

# 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.



39.2441, 59.5469, 60.4215



74.2802, 59.5469, 102.1865



48.6170, 59.5469, 26.2325

# Square

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



74.2802, 59.5469, 102.1865



68.4630, 59.5469, 28.7831



41.9706, 59.5469, 37.9170



46.1889, 59.5469, 122.7681



# Rectangle

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



74.2802, 59.5469, 102.1865



77.6452, 59.5469, 51.0802



41.9706, 59.5469, 37.9170



39.7451, 59.5469, 80.8642

# Sweetspot

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



74.2819, 59.5494, 102.1868



87.9447, 86.1100, 106.5935



52.4244, 49.0511, 101.3125



18.5951, 17.9847, 22.7413



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.



74.2819, 59.5494, 102.1868



71.0901, 53.3920, 101.1666



69.6971, 57.8000, 74.2269



18.7439, 18.2753, 22.7895



29.7665, 14.2557, 50.6173



2.9123, 1.3952, 4.9291



# Inverse Universe

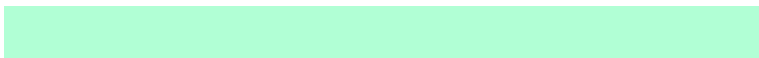
The Inverse Universe completely reimagines the original color for something new.



65.1003, 55.9613, 50.0202



60.5407, 49.2743, 41.0019



65.9542, 85.6923, 76.2834



18.0282, 17.9946, 18.7659



21.5756, 11.1195, 1.1498



2.1071, 1.0852, 0.1453



# Previews

## White Background



This preview shows how the XYZ color 74.2802, 59.5469, 102.1865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

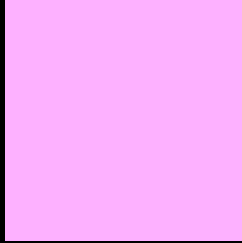
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2802, 59.5469, 102.1865 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 74.2802, 59.5469, 102.1865**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2802, 59.5469, 102.1865.



This preview shows how white text looks on a background with the XYZ color 74.2802, 59.5469,



# 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

74.2802, 59.5469, 102.1865

### Protanopia

59.9229, 59.8121, 102.9944

### Deuteranopia

61.3892, 59.9540, 99.6035



## Tritanopia

66.4370, 59.3977, 63.8404

# Trichromacy



## Original Color

74.2802, 59.5469, 102.1865



## Protanomaly

64.0510, 58.9163, 102.6039



## Deuteranomaly

65.4149, 59.3499, 100.1034



## Tritanomaly

69.0516, 59.2272, 76.1992

# Monochromacy



## Original Color

74.2802, 59.5469, 102.1865



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

64.7451, 61.4310, 80.3965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2802, 59.5469, 102.1865 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(253, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 177, 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(253, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 177, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2802, 59.5469, 102.1865 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(253, 177, 255) }
```



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

```
.border{ border-color:rgb(253, 177, 255) }
```

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

Here you see how a box with a 4 pixel rgb(253, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2802, 59.5469, 102.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 177, 255) }
```

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

```
.background{ background-color: rgb(253,  
177, 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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