

# Converting Colors

XYZ(42.0919, 28.3764, 97.8363)

Have a look what the booklet for  
XYZ(42.0919, 28.3764, 97.8363)  
contains.

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# Color

**XYZ(42.0866, 28.3774,  
97.8669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B171FF
RGB	177, 113, 255
RGB Percent	69%, 44%, 100%
CMY	0.3059, 0.5569, 0.0000
CMYK	0.31, 0.56, 0.00, 0.00
HSL	267°, 100%, 72%
HSV	267°, 56%, 100%
XYZ	42.0866, 28.3774, 97.8669
YIQ	148.3240, -7.4380, 57.7300

# Conversions

## Conversions Part 2

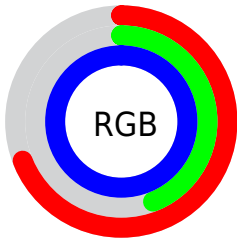
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 113, 255
Decimal	11629055
CIELab	60.23, 52.53, -61.59
CIELCh	60, 80.946, 310.463
Yxy	28.3774, 0.2500, 0.1686
Android (android.graphics.Color)	4289819135 (0xFFB171FF)
YUV	148.3240, 52.5913, 25.1489
Hunter-Lab	53.2704, 47.8016, -71.6365

# Details

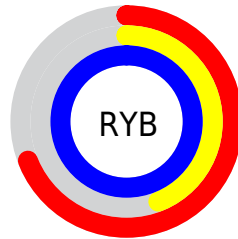
The XYZ color **42.0866, 28.3774, 97.8669** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.2265, 83.7886, 28.6222**, and the grayscale version is **28.0741, 29.5361, 32.1648**.

A 20% lighter version of the original color is **66.4608, 52.6903, 101.2751**, and **19.4925, 11.3618, 53.9890** is the 20% darker color. If you saturate the color by 10%, you get **36.6027, 21.9043, 96.9065**, and if you desaturate by 10%, it is **48.6992, 36.6193, 99.1092**.

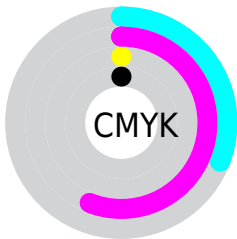
# Distribution



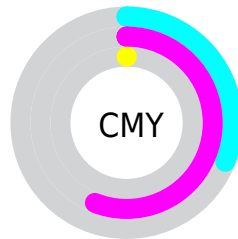
- Red (69%)
- Green (44%)
- Blue (100%)



- Red (69%)
- Yellow (44%)
- Blue (100%)



- Cyan (31%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (56%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0866, 28.3774, 97.8669 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 42.0866, 28.3774, 97.8669 by changing the saturation by 10% instead.



42.0866, 28.3774,  
97.8669

42.0866, 28.3774,  
97.8669

345.8273,  
294.2659, 574.5200

29.3605, 18.6103,  
73.9134

77.5950, 57.0864,  
160.2489

19.4994, 11.3891,  
54.2268

101.1081, 76.7972,  
199.5145

12.1378, 6.3292,  
38.3886

128.9475,  
100.5913, 244.7212

6.9105, 3.0462,  
25.9803

161.4786,  
128.8531, 296.2875

3.4520, 1.1559,  
16.5832

199.0668,  
161.9671, 354.6320

1.3971, 0.0253,  
9.7790

242.0774,

0.2541, 0.0000,

200.3176, 420.1733

5.1490

290.8758,  
244.2891, 493.3297

■ 0.0000, 0.0000,  
2.2747

■ 0.0000, 0.0000,  
0.7170

■ 42.0866, 28.3774,  
97.8669

■ 42.0866, 28.3774,  
97.8669

■ 36.6027, 21.9043,  
96.9065

■ 48.6992, 36.6193,  
99.1092

■ 32.1654, 17.0542,  
96.2042

■ 56.5075, 46.7535,  
100.6538

■ 28.6852, 13.6619,  
95.7329

■ 65.5765, 58.8956,  
102.5195

■ 26.0516, 11.5227,  
95.4588

■ 75.9653, 73.1510,  
104.7235

■ 25.1114, 10.8603,  
95.3805

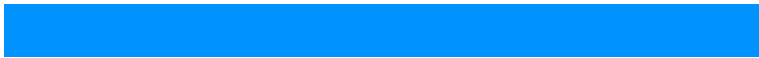
■ 87.7291, 89.6175,  
107.2818

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



30.7561, 28.3774, 127.9056



42.0866, 28.3774, 97.8669



50.4576, 28.3774, 54.1928

# Triad

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



42.0866, 28.3774, 97.8669



34.2026, 28.3774, 2.2821



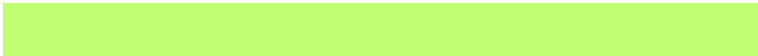
11.7346, 28.3774, 42.4680

# Complementary

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



42.0866, 28.3774, 97.8669



60.2265, 83.7886, 28.6222

# 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.



12.2096, 28.3774, 15.4684



42.0866, 28.3774, 97.8669



23.5115, 28.3774, 1.8948

# Square

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



42.0866, 28.3774, 97.8669



45.1588, 28.3774, 6.6845



15.9935, 28.3774, 4.6368



14.4705, 28.3774, 84.7275



# Rectangle

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



42.0866, 28.3774, 97.8669



52.2193, 28.3774, 30.4396



15.9935, 28.3774, 4.6368



11.5457, 28.3774, 31.3614

# Sweetspot

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



42.0877, 28.3784, 97.8671



74.5220, 71.1525, 104.4138



43.5133, 48.0367, 101.5864



15.4885, 14.5916, 22.2501



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.



42.0877, 28.3784, 97.8671



35.9612, 21.1772, 96.8000



62.6314, 38.9691, 98.8285



17.7805, 17.7786, 22.7444



13.2877, 5.7605, 49.8461



1.4175, 0.6247, 4.8591



# Inverse Universe

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



56.5493, 36.8324, 53.4187



52.4573, 30.8381, 45.3043



46.5008, 76.7127, 27.9798



18.4269, 18.1541, 20.8652



24.1012, 12.1298, 14.4491

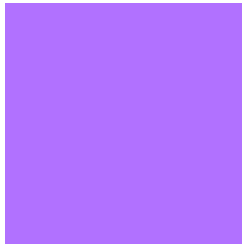


2.4018, 1.2031, 1.6970



# Previews

## White Background



This preview shows how the XYZ color 42.0866, 28.3774, 97.8669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

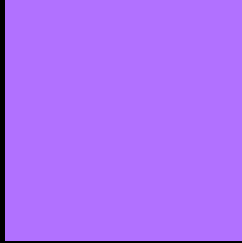
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.0866, 28.3774, 97.8669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

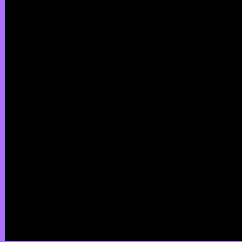
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.0866, 28.3774, 97.8669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0866, 28.3774, 97.8669.



This preview shows how white text looks on a background with the XYZ color 42.0866, 28.3774,



# 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

42.0866, 28.3774, 97.8669

### Protanopia

32.1366, 28.8413, 98.4809

### Deuteranopia

29.8312, 28.9100, 92.8148



## Tritanopia

28.8686, 28.1586, 33.1918

# Trichromacy



## Original Color

42.0866, 28.3774, 97.8669



## Protanomaly

34.3347, 27.6636, 98.1377



## Deuteranomaly

32.2609, 27.4811, 94.8708



## Tritanomaly

32.4778, 27.5319, 51.7465

# Monochromacy



## Original Color

42.0866, 28.3774, 97.8669



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

31.9317, 28.2867, 50.7906

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0866, 28.3774, 97.8669 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(177, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 113, 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(177, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 113, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0866, 28.3774, 97.8669 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(177, 113, 255) }
```



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

```
.border{ border-color:rgb(177, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 113,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0866, 28.3774, 97.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 113, 255) }
```

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

```
.background{ background-color: rgb(177,  
113, 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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