

Converting Colors

XYZ(41.2575, 27.6904,
105.4862)

Have a look what the booklet for
XYZ(41.2575, 27.6904, 105.4862)
contains.

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Color

**XYZ(39.7805, 27.0238,
97.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	A770FF
RGB	167, 112, 255
RGB Percent	65%, 44%, 100%
CMY	0.3451, 0.5608, 0.0000
CMYK	0.35, 0.56, 0.00, 0.00
HSL	263°, 100%, 72%
HSV	263°, 56%, 100%
XYZ	39.7805, 27.0238, 97.7272
YIQ	144.7470, -13.1230, 56.1330

Conversions

Conversions Part 2

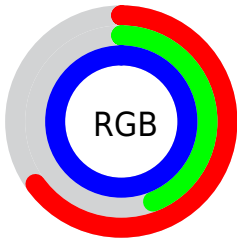
Format	Color
R _Y B	167, 112, 255
Decimal	10973439
CIE _{Lab}	59.00, 50.75, -63.62
CIE _{LCh}	59, 81.379, 308.579
Yxy	27.0238, 0.2418, 0.1642
Android (android.graphics.Color)	4289163519 (0xFFA770FF)
YUV	144.7470, 54.3547, 19.5159
Hunter-Lab	51.9844, 45.6224, -75.0721

Details

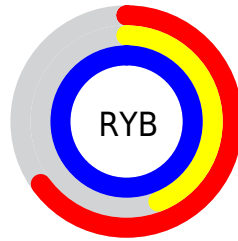
The XYZ color **39.7805, 27.0238, 97.7272** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.5037, 84.9690, 28.4362**, and the grayscale version is **26.6026, 27.9880, 30.4789**.

A 20% lighter version of the original color is **62.8692, 50.2990, 101.0029**, and **18.0535, 10.6199, 53.9216** is the 20% darker color. If you saturate the color by 10%, you get **34.2385, 20.5652, 96.7727**, and if you desaturate by 10%, it is **46.5233, 35.2844, 98.9663**.

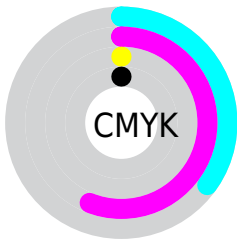
Distribution



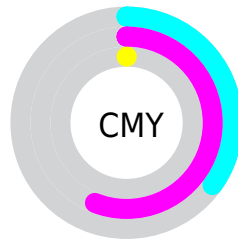
- Red (65%)
- Green (44%)
- Blue (100%)



- Red (65%)
- Yellow (44%)
- Blue (100%)



- Cyan (35%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7805, 27.0238, 97.7272 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 39.7805, 27.0238, 97.7272 by changing the saturation by 10% instead.

39.7805, 27.0238,
97.7272

39.7805, 27.0238,
97.7272

336.3479,
287.7723, 574.0653

27.5509, 17.5911,
73.7975

74.1156, 54.9221,
160.0548

18.1261, 10.6568,
54.1325

96.9518, 74.1564,
199.2899

11.1408, 5.8366,
38.3137

124.0543, 97.4267,
244.4638

6.2296, 2.7460,
25.9226

155.7884,
125.1175, 295.9951

3.0272, 1.0006,
16.5405

192.5194,
157.6130, 354.3024

1.1682, 0.0000,
9.7489

234.6128,

0.0810, 0.0000,

195.2978, 419.8042

5.1294

282.4338,
238.5561, 492.9190

■ 0.0000, 0.0000,
2.2633

■ 0.0000, 0.0000,
0.7106

■ 39.7805, 27.0238,
97.7272

■ 39.7805, 27.0238,
97.7272

■ 34.2385, 20.5652,
96.7727

■ 46.5233, 35.2844,
98.9663

■ 29.8106, 15.7602,
96.0786

■ 54.5386, 45.4736,
100.5105

■ 26.4017, 12.4398,
95.6173

■ 63.8954, 57.7095,
102.3791

■ 23.8950, 10.3944,
95.3546

■ 74.6569, 72.0994,
104.5895

■ 23.0958, 9.8212,
95.2861

■ 86.8817, 88.7433,
107.1578

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.



28.6891, 27.0238, 125.6367



39.7805, 27.0238, 97.7272



48.3065, 27.0238, 54.7352

Triad

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



39.7805, 27.0238, 97.7272



33.4413, 27.0238, 2.0896



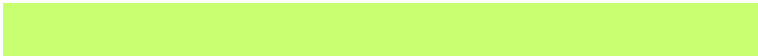
10.8825, 27.0238, 38.5143

Complementary

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



39.7805, 27.0238, 97.7272



62.5037, 84.9690, 28.4362

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.



11.5283, 27.0238, 13.4409



39.7805, 27.0238, 97.7272



22.8989, 27.0238, 1.5852

Square

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



39.7805, 27.0238, 97.7272



44.0302, 27.0238, 6.5980



15.3882, 27.0238, 3.8574



13.3093, 27.0238, 79.4441

Rectangle

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



39.7805, 27.0238, 97.7272



50.3677, 27.0238, 30.8235



15.3882, 27.0238, 3.8574



10.7639, 27.0238, 28.0681

Sweetspot

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



39.7816, 27.0247, 97.7273



73.6038, 70.6792, 104.3708



45.4293, 52.0588, 102.2617



15.2725, 14.4803, 22.2400



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.



39.7816, 27.0247, 97.7273



33.7847, 20.0551, 96.6981



59.2108, 37.0409, 98.6366



17.6635, 17.7183, 22.7390



12.2219, 5.2111, 49.7963



1.3075, 0.5680, 4.8540

Inverse Universe

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



57.4595, 37.0189, 58.7594



53.6383, 31.3105, 51.5232



47.6903, 77.3324, 27.7430



18.4792, 18.1750, 21.1407



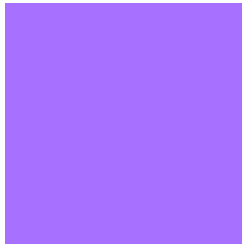
24.8003, 12.4094, 18.1309



2.4682, 1.2296, 2.0467

Previews

White Background



This preview shows how the XYZ color 39.7805, 27.0238, 97.7272 looks on a white background.

Color Contrast Check

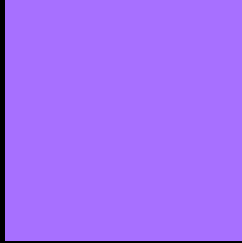
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7805, 27.0238, 97.7272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

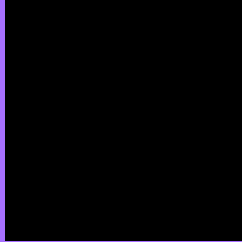
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7805, 27.0238, 97.7272

Background



This preview shows how black text looks on a background with the XYZ color 39.7805, 27.0238, 97.7272.



This preview shows how white text looks on a background with the XYZ color 39.7805, 27.0238,

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

39.7805, 27.0238, 97.7272

Protanopia

30.7946, 27.2818, 98.2506

Deuteranopia

28.3847, 27.4807, 92.6152



Tritanopia

26.5917, 26.7782, 32.6213

Trichromacy



Original Color

39.7805, 27.0238, 97.7272



Protanomaly

32.8397, 26.4979, 97.9915



Deuteranomaly

30.2799, 25.8472, 94.6599



Tritanomaly

30.2538, 26.2014, 51.0398

Monochromacy



Original Color

39.7805, 27.0238, 97.7272



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

30.2814, 27.0501, 49.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7805, 27.0238, 97.7272 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(167, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 112, 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(167, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.7805, 27.0238, 97.7272 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(167, 112, 255) }
```


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

```
.border{ border-color:rgb(167, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7805, 27.0238, 97.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 112, 255) }
```

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

```
.background{ background-color: rgb(167,  
112, 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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