

Converting Colors

XYZ(38.4623, 28.0561, 97.9959)

Have a look what the booklet for
XYZ(38.4623, 28.0561, 97.9959)
contains.

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Color

**XYZ(38.5271, 28.1076,
98.0025)**

Conversions

Conversions Part 1

Format	Color
Hex	9B7AFF
RGB	155, 122, 255
RGB Percent	61%, 48%, 100%
CMY	0.3921, 0.5216, 0.0000
CMYK	0.39, 0.52, 0.00, 0.00
HSL	255°, 100%, 74%
HSV	255°, 52%, 100%
XYZ	38.5271, 28.1076, 98.0025
YIQ	147.0290, -23.0250, 48.3590

Conversions

Conversions Part 2

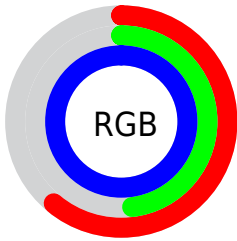
Format	Color
R_{YB}	155, 122, 255
Decimal	10189567
CIE _{Lab}	59.99, 42.51, -62.09
CIE _{LCh}	60, 75.252, 304.398
Yxy	28.1076, 0.2340, 0.1707
Android (android.graphics.Color)	4288379647 (0xFF9B7AFF)
YUV	147.0290, 53.2297, 6.9906
Hunter-Lab	53.0166, 36.9367, -72.4874

Details

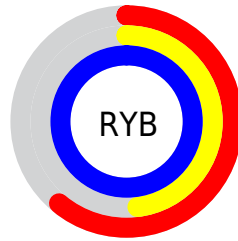
The XYZ color **38.5271, 28.1076, 98.0025** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **69.3964, 88.4544, 31.8288**, and the grayscale version is **27.5399, 28.9742, 31.5529**.

A 20% lighter version of the original color is **61.1115, 52.1761, 101.4578**, and **17.3252, 11.2073, 54.0734** is the 20% darker color. If you saturate the color by 10%, you get **32.4049, 20.8978, 96.9335**, and if you desaturate by 10%, it is **46.0569, 37.2629, 99.3727**.

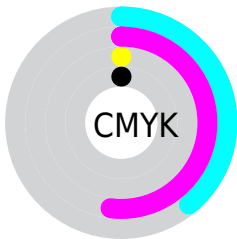
Distribution



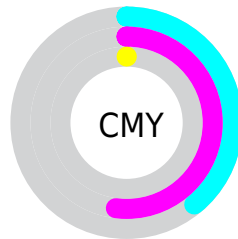
- Red (61%)
- Green (48%)
- Blue (100%)



- Red (61%)
- Yellow (48%)
- Blue (100%)



- Cyan (39%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5271, 28.1076, 98.0025 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 38.5271, 28.1076, 98.0025 by changing the saturation by 10% instead.


 38.5271, 28.1076,
98.0025


 38.5271, 28.1076,
98.0025


331.1176,
292.9807, 574.9612

 26.5711, 18.4068,
74.0258


 72.2140, 56.6562,
160.4373

 17.3863, 11.2424,
54.3183


 94.6757, 76.2727,
199.7325

 10.6073, 6.2301,
38.4613


 121.3699, 99.9633,
244.9710

 5.8688, 2.9855,
26.0363

152.6621,
128.1124, 296.5713

 2.8053, 1.1242,
16.6248

188.9177,
161.1042, 354.9519

 1.0517, 0.0000,
9.8082

230.5018,

 0.0000, 0.0000,

199.3233, 420.5314

5.1680

277.7800,
243.1540, 493.7283

■ 0.0000, 0.0000,
2.2857

■ 0.0000, 0.0000,
0.7232

■ 38.5271, 28.1076,
98.0025

■ 38.5271, 28.1076,
98.0025

■ 32.4049, 20.8978,
96.9335

■ 46.0569, 37.2629,
99.3727

■ 27.5938, 15.4851,
96.1423

■ 55.0754, 48.4913,
101.0647

■ 23.9895, 11.7035,
95.6024

■ 65.6610, 61.9127,
103.0974

■ 21.4679, 9.3534,
95.2816

■ 77.8856, 77.6369,
105.4882

■ 20.1176, 8.2859,
95.1468

■ 91.8165, 95.7664,
108.2533

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.



28.1525, 28.1076, 119.0494



38.5271, 28.1076, 98.0025



47.0003, 28.1076, 59.5176

Triad

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



38.5271, 28.1076, 98.0025



35.4888, 28.1076, 3.4270



12.2401, 28.1076, 34.8292

Complementary

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



38.5271, 28.1076, 98.0025



69.3964, 88.4544, 31.8288

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.



13.3123, 28.1076, 13.0040



38.5271, 28.1076, 98.0025



25.3281, 28.1076, 2.3876

Square

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



38.5271, 28.1076, 98.0025



44.9724, 28.1076, 9.4333



17.6044, 28.1076, 4.4550



14.2197, 28.1076, 71.1113

Rectangle

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



38.5271, 28.1076, 98.0025



49.5518, 28.1076, 36.0466



17.6044, 28.1076, 4.4550



12.2602, 28.1076, 25.7395

Sweetspot

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



38.5282, 28.1085, 98.0026



72.9883, 71.3136, 104.5257



52.7231, 64.6513, 104.3079



15.0830, 14.5701, 22.2673



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.



38.5282, 28.1085, 98.0026



31.9496, 20.3737, 96.8563



54.3841, 36.2825, 98.7446



17.4252, 17.5954, 22.7278



10.6250, 4.3879, 49.7215



1.1289, 0.4759, 4.8456

Inverse Universe

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



61.3842, 40.4533, 73.6784



57.5571, 34.2411, 67.9571



53.2691, 80.1405, 31.0741



18.5887, 18.2188, 21.7173



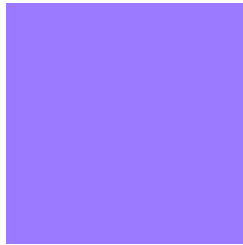
26.5670, 13.1161, 27.4340



2.6302, 1.2945, 2.9001

Previews

White Background



This preview shows how the XYZ color 38.5271, 28.1076, 98.0025 looks on a white background.

Color Contrast Check

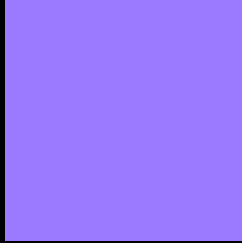
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5271, 28.1076, 98.0025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

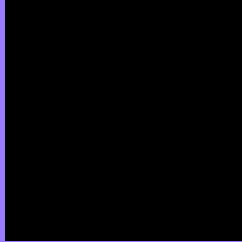
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5271, 28.1076, 98.0025

Background



This preview shows how black text looks on a background with the XYZ color 38.5271, 28.1076, 98.0025.



This preview shows how white text looks on a background with the XYZ color 38.5271, 28.1076,

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

38.5271, 28.1076, 98.0025

Protanopia

31.8893, 28.4939, 98.4269

Deuteranopia

29.4587, 28.4520, 94.3816



Tritanopia

26.1233, 28.0129, 36.3779

Trichromacy



Original Color

38.5271, 28.1076, 98.0025

Protanomaly

33.5145, 27.8476, 98.2165

Deuteranomaly

31.2357, 27.3525, 95.7287

Tritanomaly

29.5558, 27.4043, 54.1839

Monochromacy



Original Color

38.5271, 28.1076, 98.0025

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.5291, 28.2062, 50.2897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5271, 28.1076, 98.0025 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(155, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 122, 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(155, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5271, 28.1076, 98.0025 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(155, 122, 255) }
```


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

```
.border{ border-color:rgb(155, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5271, 28.1076, 98.0025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 122, 255) }
```

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

```
.background{ background-color: rgb(155,  
122, 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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