

Converting Colors

XYZ(46.1896, 33.2583,
130.3242)

Have a look what the booklet for
XYZ(46.1896, 33.2583, 130.3242)
contains.

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Color

**XYZ(40.2059, 30.8906,
98.4511)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9D84FF |
| RGB | 157, 132, 255 |
| RGB Percent | 62%, 52%, 100% |
| CMY | 0.3843, 0.4823, 0.0000 |
| CMYK | 0.38, 0.48, 0.00, 0.00 |
| HSL | 252°, 100%, 76% |
| HSV | 252°, 48%, 100% |
| XYZ | 40.2059, 30.8906, 98.4511 |
| YIQ | 153.4970, -24.5830, 43.5530 |

Conversions

Conversions Part 2

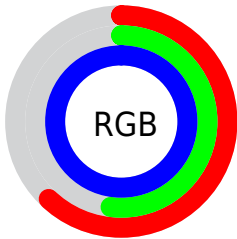
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 157, 132, 255 |
| Decimal | 10323199 |
| CIE Lab | 62.42, 37.34, -58.20 |
| CIE LCh | 62, 69.147, 302.684 |
| Yxy | 30.8906, 0.2371, 0.1822 |
| Android (android.graphics.Color) | 4288513279 (0xFF9D84FF) |
| YUV | 153.4970, 50.0410, 3.0721 |
| Hunter-Lab | 55.5793, 31.8625, -66.1186 |

Details

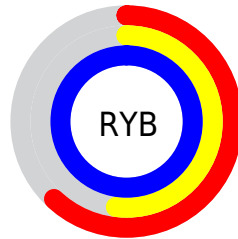
The XYZ color **40.2059, 30.8906, 98.4511** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.5574, 90.0086, 35.3798**, and the grayscale version is **30.2921, 31.8696, 34.7060**.

A 20% lighter version of the original color is **63.4233, 56.3650, 102.1445**, and **18.4659, 12.8211, 54.9275** is the 20% darker color. If you saturate the color by 10%, you get **33.5214, 22.9239, 97.2657**, and if you desaturate by 10%, it is **48.3968, 40.8891, 99.9493**.

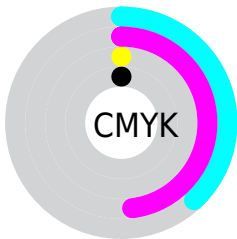
Distribution



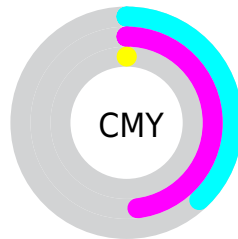
- Red (62%)
- Green (52%)
- Blue (100%)



- Red (62%)
- Yellow (52%)
- Blue (100%)



- Cyan (38%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2059, 30.8906, 98.4511 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 40.2059, 30.8906, 98.4511 by changing the saturation by 10% instead.


 40.2059, 30.8906,
98.4511

 40.2059, 30.8906,
98.4511


338.1102,
306.0340, 576.4195


 27.8840, 20.5156,
74.3980


 74.7593, 61.0678,
161.0603

 18.3783, 12.7704,
54.6211


 97.7215, 81.6387,
200.4534

 11.3232, 7.2706,
38.7019


 124.9613,
106.3771, 245.7969

 6.3536, 3.6319,
26.2218

156.8439,
135.6673, 297.5094

 3.1039, 1.4699,
16.7624

193.7348,
169.8936, 356.0093

 1.2090, 0.2674,
9.9051

235.9992,

 0.1134, 0.0000,

209.4406, 421.7153

5.2313

284.0026,
254.6926, 495.0458

■ 0.0000, 0.0000,
2.3225

■ 0.0000, 0.0000,
0.7438

■ 40.2059, 30.8906,
98.4511

■ 40.2059, 30.8906,
98.4511

■ 33.5214, 22.9239,
97.2657

■ 48.3968, 40.8891,
99.9493

■ 28.2445, 16.8437,
96.3702

■ 58.1772, 53.0444,
101.7801

■ 24.2698, 12.4901,
95.7394

■ 69.6282, 67.4753,
103.9620

■ 21.4741, 9.6745,
95.3433

■ 82.8242, 84.2908,
106.5122

■ 19.6976, 8.1419,
95.1411

95.0500, 100.0000,
108.9000

■ 19.4577, 7.9457,
95.1159

Harmonies

Analogous

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



30.2125, 30.8906, 116.0068



40.2059, 30.8906, 98.4511



48.4574, 30.8906, 63.3103

Triad

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



40.2059, 30.8906, 98.4511



38.4305, 30.8906, 5.4622



14.7884, 30.8906, 36.1095

Complementary

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



40.2059, 30.8906, 98.4511



72.5574, 90.0086, 35.3798

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.



16.0841, 30.8906, 15.0756



40.2059, 30.8906, 98.4511



28.5249, 30.8906, 3.9356

Square

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



40.2059, 30.8906, 98.4511



47.2885, 30.8906, 12.7547



20.6653, 30.8906, 6.2136



16.6556, 30.8906, 69.9080

Rectangle

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



40.2059, 30.8906, 98.4511



51.1056, 30.8906, 40.6437



20.6653, 30.8906, 6.2136



14.8689, 30.8906, 27.4815

Sweetspot

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



40.2071, 30.8917, 98.4513



74.9988, 74.2986, 104.9960



55.9744, 68.9425, 104.9648



15.4586, 15.1472, 22.3589



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.



40.2071, 30.8917, 98.4513



33.6616, 23.0885, 97.2901



55.2451, 38.6441, 99.1551



17.3478, 17.5555, 22.7242



10.2635, 4.2015, 49.7046



1.0837, 0.4526, 4.8435

Inverse Universe

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



63.7741, 43.4761, 79.8916



60.0900, 37.2290, 75.2070



56.2661, 81.6101, 34.6174



18.6251, 18.2334, 21.9091



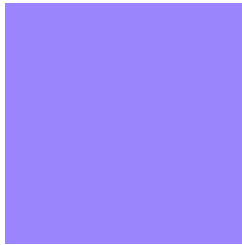
27.2469, 13.3881, 31.0146



2.6911, 1.3188, 3.2206

Previews

White Background



This preview shows how the XYZ color 40.2059, 30.8906, 98.4511 looks on a white background.

Color Contrast Check

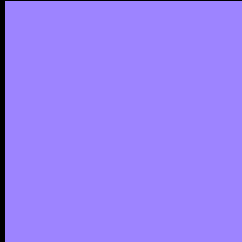
Large Text (above 18pt) WCAG AA × Fail

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 40.2059, 30.8906, 98.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

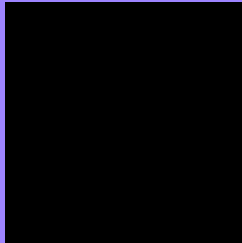
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2059, 30.8906, 98.4511

Background



This preview shows how black text looks on a background with the XYZ color 40.2059, 30.8906, 98.4511.

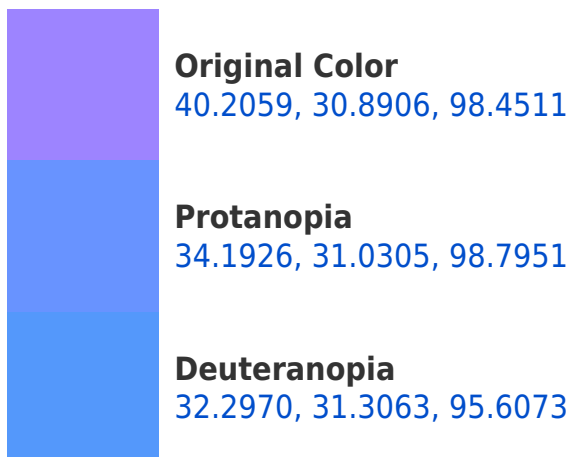


This preview shows how white text looks on a background with the XYZ color 40.2059, 30.8906,

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





Tritanopia

28.3361, 30.7333, 40.0360

Trichromacy



Original Color

40.2059, 30.8906, 98.4511

Protanomaly

35.8914, 30.7770, 98.6566

Deuteranomaly

34.2516, 30.6586, 96.2079

Tritanomaly

31.8200, 30.2573, 57.5892

Monochromacy



Original Color

40.2059, 30.8906, 98.4511

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7461, 30.8385, 52.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2059, 30.8906, 98.4511 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(157, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 132, 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(157, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.2059, 30.8906, 98.4511 is called "border". The border property can be set on classes, ids or directly on the HTML element.

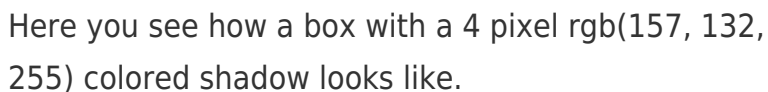
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 132, 255) }
```


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

```
.border{ border-color:rgb(157, 132, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2059, 30.8906, 98.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 132, 255) }
```

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

```
.background{ background-color: rgb(157,  
132, 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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