

Converting Colors

XYZ(42.4019, 38.9773, 99.8963)

Have a look what the booklet for
XYZ(42.4019, 38.9773, 99.8963)
contains.

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Color

**XYZ(42.4719, 38.9900,
99.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	90A2FF
RGB	144, 162, 255
RGB Percent	56%, 64%, 100%
CMY	0.4353, 0.3647, 0.0000
CMYK	0.44, 0.36, 0.00, 0.00
HSL	230°, 100%, 78%
HSV	230°, 44%, 100%
XYZ	42.4719, 38.9900, 99.8950
YIQ	167.2200, -40.5810, 25.1070

Conversions

Conversions Part 2

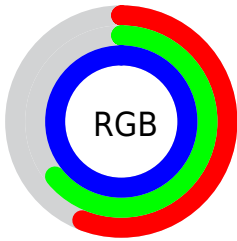
Format	Color
RYB	144, 159, 255
Decimal	9478911
CIELab	68.74, 16.98, -48.23
CIELCh	69, 51.131, 289.399
Yxy	38.9900, 0.2342, 0.2150
Android (android.graphics.Color)	4287668991 (0xFF90A2FF)
YUV	167.2200, 43.2755, -20.3639
Hunter-Lab	62.4420, 12.1390, -51.1431

Details

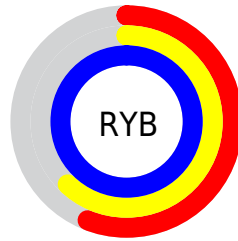
The XYZ color **42.4719, 38.9900, 99.8950** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.5591, 83.8432, 38.5356**, and the grayscale version is **36.6489, 38.5575, 41.9891**.

A 20% lighter version of the original color is **67.2200, 69.4023, 104.4608**, and **19.8080, 17.4723, 55.7546** is the 20% darker color. If you saturate the color by 10%, you get **35.0615, 30.0501, 98.5600**, and if you desaturate by 10%, it is **51.5301, 49.7299, 101.4906**.

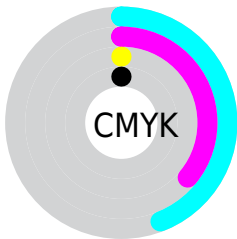
Distribution



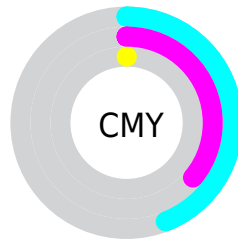
- Red (56%)
- Green (64%)
- Blue (100%)



- Red (56%)
- Yellow (62%)
- Blue (100%)



- Cyan (44%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4719, 38.9900, 99.8950 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 42.4719, 38.9900, 99.8950 by changing the saturation by 10% instead.

■ 42.4719, 38.9900,
99.8950

■ 42.4719, 38.9900,
99.8950

347.3939,
341.8480, 581.0998

■ 29.6637, 26.7519,
75.5965

■ 78.1740, 73.6230,
163.0635

■ 19.7303, 17.3870,
55.5970

■ 101.7987, 96.7868,
202.7705

■ 12.3062, 10.5108,
39.4781

129.7595,
124.3613, 248.4508

■ 7.0263, 5.7389,
26.8212

162.4218,
156.7309, 300.5229

■ 3.5250, 2.6870,
17.2077

200.1511,
194.2799, 359.4053

■ 1.4371, 0.9706,
10.2192

243.3126,

■ 0.2824, 0.0000,

237.3929, 425.5165

5.4370

292.2718,
286.4541, 499.2752

■ 0.0000, 0.0000,
2.4427

■ 0.0000, 0.0000,
0.8096

■ 42.4719, 38.9900,
99.8950

■ 42.4719, 38.9900,
99.8950

■ 35.0615, 30.0501,
98.5600

■ 51.5301, 49.7299,
101.4906

■ 29.1940, 22.8060,
97.4711

■ 62.3244, 62.3577,
103.3591

■ 24.7585, 17.1493,
96.6130

■ 74.9412, 76.9606,
105.5128

■ 21.6270, 12.9563,
95.9687

■ 89.4602, 93.6189,
107.9629

■ 19.6470, 10.0839,
95.5186

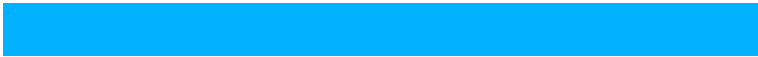
95.0500, 100.0000,
108.9000

■ 18.8551, 8.8301,
95.3184

Harmonies

Analogous

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



34.2691, 38.9900, 103.0586



42.4719, 38.9900, 99.8950



50.1750, 38.9900, 78.5652

Triad

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



42.4719, 38.9900, 99.8950



48.1371, 38.9900, 16.8086



23.7703, 38.9900, 34.7710

Complementary

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



42.4719, 38.9900, 99.8950



76.5591, 83.8432, 38.5356

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.



26.4543, 38.9900, 19.5527



42.4719, 38.9900, 99.8950



39.9960, 38.9900, 11.9861

Square

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



42.4719, 38.9900, 99.8950



53.7609, 38.9900, 29.3038



32.1264, 38.9900, 12.7640



24.2329, 38.9900, 59.0445

Rectangle

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



42.4719, 38.9900, 99.8950



53.6180, 38.9900, 60.1453



32.1264, 38.9900, 12.7640



24.3170, 38.9900, 28.6234

Sweetspot

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



42.4732, 38.9914, 99.8952



75.6590, 77.7875, 105.6346



62.4756, 83.5350, 92.5699



15.5589, 15.9175, 22.5023



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.



42.4732, 38.9914, 99.8952



36.0911, 31.3035, 98.7477



47.0807, 36.9920, 99.2665



17.2409, 17.8534, 22.7873



9.9218, 4.7532, 49.8291



1.0305, 0.5917, 4.8732

Inverse Universe

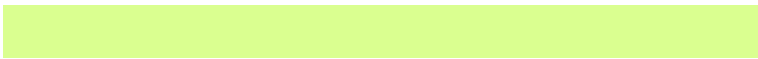
The Inverse Universe completely reimagines the original color for something new.



57.7358, 43.8166, 39.5982



53.2753, 37.2881, 30.7355



69.7083, 88.4394, 39.7839



18.1295, 18.0351, 19.2990



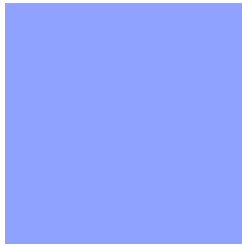
21.7963, 11.2078, 2.3117



2.1548, 1.1043, 0.3964

Previews

White Background



This preview shows how the XYZ color 42.4719, 38.9900, 99.8950 looks on a white background.

Color Contrast Check

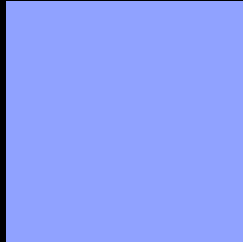
Large Text (above 18pt) WCAG AA × Fail

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 42.4719, 38.9900, 99.8950 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 42.4719, 38.9900, 99.8950

Background



This preview shows how black text looks on a background with the XYZ color 42.4719, 38.9900, 99.8950.



This preview shows how white text looks on a background with the XYZ color 42.4719, 38.9900,

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

42.4719, 38.9900, 99.8950

Protanopia

41.3171, 38.9218, 99.9428

Deuteranopia

40.3123, 39.2288, 99.2132



Tritanopia

33.2284, 38.8133, 54.4556

Trichromacy



Original Color

42.4719, 38.9900, 99.8950

Protanomaly

41.6284, 38.8177, 99.9062

Deuteranomaly

41.0174, 39.0526, 99.1420

Tritanomaly

36.1852, 38.5910, 69.1600

Monochromacy



Original Color

42.4719, 38.9900, 99.8950

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.0620, 38.4047, 59.4396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4719, 38.9900, 99.8950 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(144, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 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(144, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4719, 38.9900, 99.8950 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(144, 162, 255) }
```


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

```
.border{ border-color:rgb(144, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4719, 38.9900, 99.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 255) }
```

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

```
.background{ background-color: rgb(144,  
162, 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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