

Converting Colors

XYZ(50.2754, 40.7098,
114.1550)

Have a look what the booklet for
XYZ(50.2754, 40.7098, 114.1550)
contains.

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Color

**XYZ(47.5101, 39.5613,
99.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	B09AFF
RGB	176, 154, 255
RGB Percent	69%, 60%, 100%
CMY	0.3098, 0.3961, 0.0000
CMYK	0.31, 0.40, 0.00, 0.00
HSL	253°, 100%, 80%
HSV	253°, 40%, 100%
XYZ	47.5101, 39.5613, 99.7398
YIQ	172.0920, -19.3090, 36.0750

Conversions

Conversions Part 2

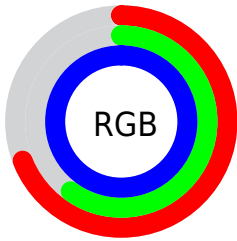
Format	Color
RYB	176, 154, 255
Decimal	11574015
CIELab	69.16, 29.76, -47.42
CIELCh	69, 55.983, 302.115
Yxy	39.5613, 0.2543, 0.2118
Android (android.graphics.Color)	4289764095 (0xFFB09AFF)
YUV	172.0920, 40.8736, 3.4273
Hunter-Lab	62.8978, 24.7596, -49.9903

Details

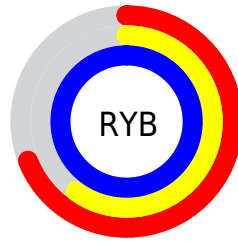
The XYZ color **47.5101, 39.5613, 99.7398** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.1971, 91.1768, 44.2088**, and the grayscale version is **39.0671, 41.1016, 44.7597**.

A 20% lighter version of the original color is **74.7821, 70.3134, 104.2381**, and **22.7890, 17.7708, 55.6551** is the 20% darker color. If you saturate the color by 10%, you get **39.5566, 29.8637, 98.2871**, and if you desaturate by 10%, it is **57.0228, 51.3911, 101.5218**.

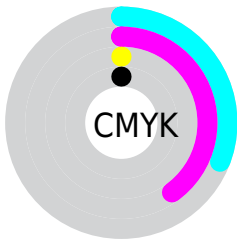
Distribution



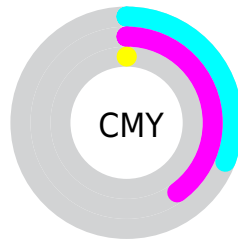
- Red (69%)
- Green (60%)
- Blue (100%)



- Red (69%)
- Yellow (60%)
- Blue (100%)



- Cyan (31%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5101, 39.5613, 99.7398 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 47.5101, 39.5613, 99.7398 by changing the saturation by 10% instead.

 47.5101, 39.5613,
99.7398


 47.5101, 39.5613,
99.7398


367.4620,
344.2710, 580.5977

 33.6487, 27.1967,
75.4676


 85.6887, 74.4950,
162.8483

 22.7855, 17.7210,
55.4920


 110.7366, 97.8329,
202.5217

 14.5550, 10.7499,
39.3945


140.2440,
125.5973, 248.1659

 8.5920, 5.8989,
26.7566

174.5764,
158.1726, 300.1994

 4.5310, 2.7837,
17.1597

214.0990,
195.9432, 359.0408

 2.0067, 1.0199,
10.1852

259.1772,

 0.6377, 0.0000,

239.2936, 425.1086

5.4147

310.1764,
288.6081, 498.8214

■ 0.0000, 0.0000,
2.4296

■ 0.0000, 0.0000,
0.8025

■ 47.5101, 39.5613,
99.7398

■ 47.5101, 39.5613,
99.7398

■ 39.5566, 29.8637,
98.2871

■ 57.0228, 51.3911,
101.5218

■ 33.0723, 22.1648,
97.1429

■ 68.1697, 65.4669,
103.6512

■ 27.9640, 16.3230,
96.2845

■ 81.0258, 81.8994,
106.1454

■ 24.1255, 12.1751,
95.6862

95.0500, 100.0000,
108.9000

■ 21.4332, 9.5292,
95.3174

■ 19.7104, 8.0921,
95.1308

■ 19.6557, 8.0478,
95.1251

Harmonies

Analogous

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



38.2403, 39.5613, 113.4625



47.5101, 39.5613, 99.7398



54.9516, 39.5613, 70.4755

Triad

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



47.5101, 39.5613, 99.7398



46.2364, 39.5613, 12.5521



22.8958, 39.5613, 44.9196

Complementary

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



47.5101, 39.5613, 99.7398



75.1971, 91.1768, 44.2088

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.



24.3524, 39.5613, 23.8954



47.5101, 39.5613, 99.7398



36.9705, 39.5613, 10.2144

Square

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



47.5101, 39.5613, 99.7398



54.1380, 39.5613, 21.8315



29.1768, 39.5613, 13.3684



24.8307, 39.5613, 74.9394

Rectangle

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



47.5101, 39.5613, 99.7398



57.3488, 39.5613, 50.1952



29.1768, 39.5613, 13.3684



23.0044, 39.5613, 36.6631

Sweetspot

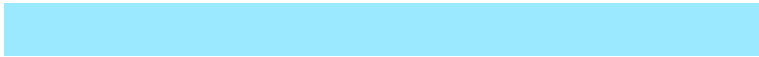
The Sweet Spot groups the original color and five complimentary colors.



47.5114, 39.5628, 99.7400



77.7895, 77.7464, 105.5144



60.5492, 72.4346, 105.3977



16.2812, 16.1684, 22.5126



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.



47.5114, 39.5628, 99.7400



40.7331, 31.2836, 98.4992



61.0908, 46.5632, 100.3755



17.3729, 17.5684, 22.7253



10.3725, 4.2577, 49.7097



1.0977, 0.4598, 4.8442

Inverse Universe

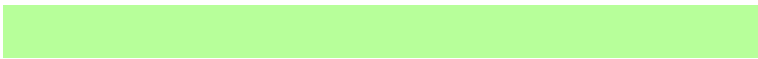
The Inverse Universe completely reimagines the original color for something new.



67.5040, 50.2554, 83.2328



63.6233, 43.5459, 78.6963



61.0309, 83.8738, 43.5458



18.6133, 18.2286, 21.8467



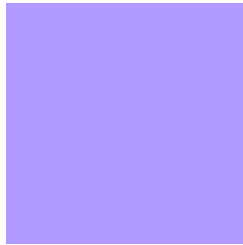
27.0208, 13.2976, 29.8236



2.6709, 1.3107, 3.1144

Previews

White Background



This preview shows how the XYZ color 47.5101, 39.5613, 99.7398 looks on a white background.

Color Contrast Check

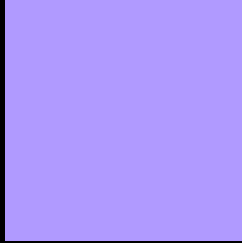
Large Text (above 18pt) WCAG AA × Fail

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 47.5101, 39.5613, 99.7398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

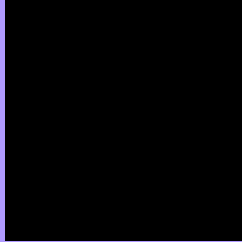
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5101, 39.5613, 99.7398

Background



This preview shows how black text looks on a background with the XYZ color 47.5101, 39.5613, 99.7398.



This preview shows how white text looks on a background with the XYZ color 47.5101, 39.5613,

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

47.5101, 39.5613, 99.7398

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.9334, 39.8588, 97.6316



Tritanopia

37.4332, 39.3719, 50.4263

Trichromacy



Original Color

47.5101, 39.5613, 99.7398

Protanomaly

43.7328, 39.6400, 99.9541

Deuteranomaly

42.8594, 39.4893, 98.2918

Tritanomaly

40.5100, 39.2614, 65.7647

Monochromacy



Original Color

47.5101, 39.5613, 99.7398

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.3494, 40.0588, 61.4299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5101, 39.5613, 99.7398 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(176, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 154, 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(176, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5101, 39.5613, 99.7398 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(176, 154, 255) }
```


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

```
.border{ border-color:rgb(176, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 154,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5101, 39.5613, 99.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 154, 255) }
```

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

```
.background{ background-color: rgb(176,  
154, 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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