

# Converting Colors

XYZ(44.7035, 39.3357, 99.8442)

Have a look what the booklet for  
XYZ(44.7035, 39.3357, 99.8442)  
contains.

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# Color

**XYZ(44.7462, 39.3872,  
99.8519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F9FFF
RGB	159, 159, 255
RGB Percent	62%, 62%, 100%
CMY	0.3765, 0.3765, 0.0000
CMYK	0.38, 0.38, 0.00, 0.00
HSL	240°, 100%, 81%
HSV	240°, 38%, 100%
XYZ	44.7462, 39.3872, 99.8519
YIQ	169.9440, -30.8160, 29.8560

# Conversions

## Conversions Part 2

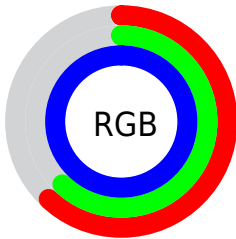
Format	Color
R <sub>Y</sub> B	159, 159, 255
Decimal	10461183
CIE Lab	69.03, 22.45, -47.71
CIE LCh	69, 52.724, 295.203
Yxy	39.3872, 0.2432, 0.2141
Android (android.graphics.Color)	4288651263 (0xFF9F9FFF)
YUV	169.9440, 41.9326, -9.5979
Hunter-Lab	62.7592, 17.4387, -50.4008

# Details

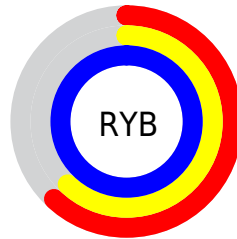
The XYZ color **44.7462, 39.3872, 99.8519** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.2578, 95.2831, 46.8055**, and the grayscale version is **37.9905, 39.9690, 43.5263**.

A 20% lighter version of the original color is **70.4155, 69.9121, 104.3908**, and **21.1491, 17.6859, 55.7251** is the 20% darker color. If you saturate the color by 10%, you get **36.2592, 29.1608, 98.3253**, and if you desaturate by 10%, it is **55.1832, 51.9629, 101.7291**.

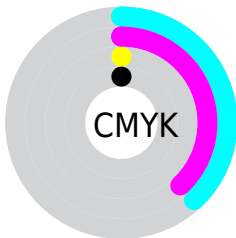
# Distribution



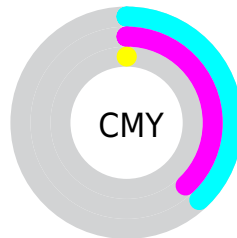
- Red (62%)
- Green (62%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7462, 39.3872, 99.8519 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 44.7462, 39.3872, 99.8519 by changing the saturation by 10% instead.



■ 44.7462, 39.3872,  
99.8519

■ 44.7462, 39.3872,  
99.8519

356.5457,  
343.5339, 580.9604

■ 31.4580, 27.0611,  
75.5607

■ 81.5788, 74.2295,  
163.0037

■ 21.1014, 17.6191,  
55.5678

■ 105.8540, 97.5144,  
202.7014

■ 13.3110, 10.6769,  
39.4549

134.5221,  
125.2210, 248.3717

■ 7.7215, 5.8500,  
26.8032

167.9487,  
157.7338, 300.4331

■ 3.9676, 2.7541,  
17.1944

206.4989,  
195.4371, 359.3041

■ 1.6838, 1.0047,  
10.2097

250.5383,

■ 0.4461, 0.0000,

238.7152, 425.4033

5.4308

300.4321,  
287.9527, 499.1492

■ 0.0000, 0.0000,  
2.4391

■ 0.0000, 0.0000,  
0.8076

■ 44.7462, 39.3872,  
99.8519

■ 44.7462, 39.3872,  
99.8519

■ 36.2592, 29.1608,  
98.3253

■ 55.1832, 51.9629,  
101.7291

■ 29.5978, 21.1342,  
97.1271

■ 67.6766, 67.0167,  
103.9763

■ 24.6291, 15.1473,  
96.2334

■ 82.3298, 84.6729,  
106.6120

■ 21.2009, 11.0166,  
95.6167

95.0500, 100.0000,  
108.9000

■ 19.1337, 8.5257,  
95.2449

■ 18.1903, 7.3891,  
95.0752

■ 18.0500, 7.2200,  
95.0500

# Harmonies

## Analogous

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



36.1015, 39.3872, 107.4920



44.7462, 39.3872, 99.8519



52.3325, 39.3872, 75.0806

# Triad

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



44.7462, 39.3872, 99.8519



47.4337, 39.3872, 15.0064



23.5344, 39.3872, 39.1320

# Complementary

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



44.7462, 39.3872, 99.8519



83.2578, 95.2831, 46.8055

# 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.



25.6747, 39.3872, 21.5296



44.7462, 39.3872, 99.8519



38.8037, 39.3872, 11.3280

# Square

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



44.7462, 39.3872, 99.8519



54.0398, 39.3872, 26.0461



30.9694, 39.3872, 13.1660



24.6383, 39.3872, 65.7607



# Rectangle

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



44.7462, 39.3872, 99.8519



55.3300, 39.3872, 55.8215



30.9694, 39.3872, 13.1660



23.8878, 39.3872, 32.1211

# Sweetspot

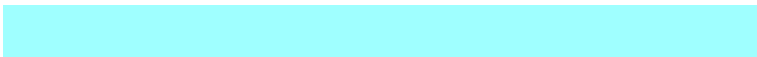
The Sweet Spot groups the original color and five complimentary colors.



44.7475, 39.3886, 99.8521



77.1683, 78.4536, 105.6836



68.1086, 86.1112, 107.6392



16.0858, 16.2726, 22.5431



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.



44.7475, 39.3886, 99.8521



38.3223, 31.6466, 98.6963



56.1811, 45.2829, 100.3871



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358



# Inverse Universe

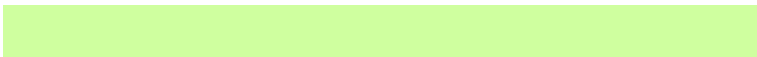
The Inverse Universe completely reimagines the original color for something new.



71.6884, 53.2772, 101.1118



68.7044, 47.3092, 100.1169



67.7508, 87.2889, 46.0798



18.7928, 18.3004, 22.7917



30.9800, 14.8813, 50.6727

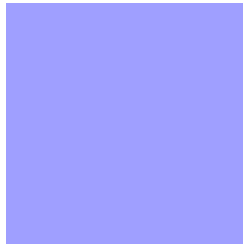


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 44.7462, 39.3872, 99.8519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

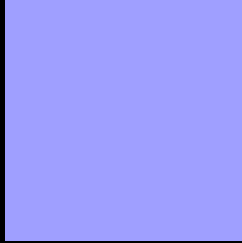
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7462, 39.3872, 99.8519 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 44.7462, 39.3872, 99.8519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7462, 39.3872, 99.8519.



This preview shows how white text looks on a background with the XYZ color 44.7462, 39.3872,



# 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

44.7462, 39.3872, 99.8519

### Protanopia

41.8217, 39.4486, 100.0178

### Deuteranopia

40.6016, 39.3964, 98.3928



## Tritanopia

35.2409, 39.3146, 52.7448

# Trichromacy



**Original Color**

44.7462, 39.3872, 99.8519

**Protanomaly**

42.8242, 39.4341, 99.9622

**Deuteranomaly**

41.9801, 39.2821, 99.1356

**Tritanomaly**

38.2807, 39.1483, 67.8261

# Monochromacy



**Original Color**

44.7462, 39.3872, 99.8519

**Achromatopsia**

38.2080, 40.1978, 43.7754

**Achromatomaly**

39.9047, 39.5965, 60.7980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7462, 39.3872, 99.8519 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(159, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 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(159, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7462, 39.3872, 99.8519 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(159, 159, 255) }
```



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

```
.border{ border-color:rgb(159, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7462, 39.3872, 99.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 255) }
```

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

```
.background{ background-color: rgb(159,  
159, 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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