

# Converting Colors

XYZ(43.4804, 39.2864, 99.8991)

Have a look what the booklet for  
XYZ(43.4804, 39.2864, 99.8991)  
contains.

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# Color

**XYZ(43.3725, 39.1938,  
99.8869)**

# Conversions

Conversions Part 1	
Format	Color
Hex	96A1FF
RGB	150, 161, 255
RGB Percent	59%, 63%, 100%
CMY	0.4117, 0.3686, 0.0000
CMYK	0.41, 0.37, 0.00, 0.00
HSL	234°, 100%, 79%
HSV	234°, 41%, 100%
XYZ	43.3725, 39.1938, 99.8869
YIQ	168.4270, -36.7300, 26.9020

# Conversions

## Conversions Part 2

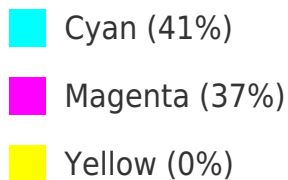
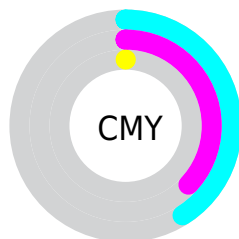
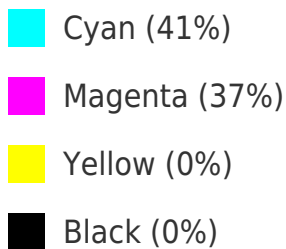
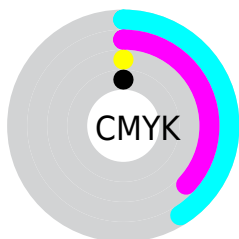
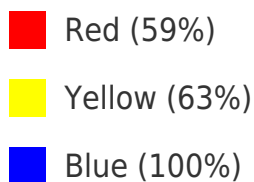
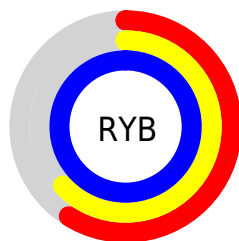
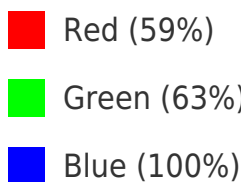
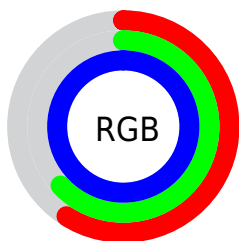
Format	Color
<a href="#">RYB</a>	<a href="#">150, 160, 255</a>
Decimal	<a href="#">9871871</a>
CIELab	<a href="#">68.89, 19.03, -47.97</a>
CIELCh	<a href="#">69, 51.606, 291.640</a>
Yxy	<a href="#">39.1938, 0.2377, 0.2148</a>
Android (android.graphics.Color)	<a href="#">4288061951</a> (0xFF96A1FF)
YUV	<a href="#">168.4270, 42.6805, -16.1605</a>
Hunter-Lab	<a href="#">62.6050, 14.1055, -50.7744</a>

# Details

The XYZ color **43.3725, 39.1938, 99.8869** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.0964, 88.1643, 41.7045**, and the grayscale version is **37.2400, 39.1794, 42.6664**.

A 20% lighter version of the original color is **68.6183, 69.7416, 104.4527**, and **20.2832, 17.5562, 55.7457** is the 20% darker color. If you saturate the color by 10%, you get **35.5487, 29.7697, 98.4802**, and if you desaturate by 10%, it is **52.9481, 50.6035, 101.5845**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3725, 39.1938, 99.8869 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 43.3725, 39.1938, 99.8869 by changing the saturation by 10% instead.




 43.3725, 39.1938,  
99.8869


 43.3725, 39.1938,  
99.8869


351.0370,  
342.7137, 581.0736

 30.3733, 26.9105,  
75.5897


 79.5249, 73.9343,  
163.0523

 20.2716, 17.5060,  
55.5915


 103.4088, 97.1603,  
202.7575

 12.7020, 10.5959,  
39.4737

131.6516,  
124.8026, 248.4359

 7.2993, 5.7958,  
26.8178

164.6187,  
157.2458, 300.5060

 3.6979, 2.7213,  
17.2052

202.6754,  
194.8740, 359.3862

 1.5327, 0.9880,  
10.2174


246.1872,


 0.3479, 0.0000,


238.0719, 425.4952


5.4358

295.5192,  
287.2236, 499.2515


 0.0000, 0.0000,  
2.4420


 0.0000, 0.0000,  
0.8092

 43.3725, 39.1938,  
99.8869


 43.3725, 39.1938,  
99.8869


 35.5487, 29.7697,  
98.4802


 52.9481, 50.6035,  
101.5845


 29.3662, 22.2133,  
97.3476

 64.3692, 64.0994,  
103.5875

 24.7081, 16.4003,  
96.4711

 77.7273, 79.7801,  
105.9102

 21.4398, 12.1898,  
95.8306

 93.1068, 97.7370,  
108.5656

■ 19.4030, 9.4181, 95.0500, 100.0000,  
95.4030 108.9000

■ 18.4354, 7.9907,  
95.1785

# Harmonies

## Analogous

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



35.0076, 39.1938, 104.7260



43.3725, 39.1938, 99.8869



51.0287, 39.1938, 77.2660

# Triad

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



43.3725, 39.1938, 99.8869



47.9152, 39.1938, 16.1640



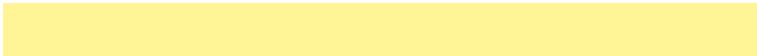
23.7332, 39.1938, 36.4431

# Complementary

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



43.3725, 39.1938, 99.8869



79.0964, 88.1643, 41.7045

# 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.



26.2099, 39.1938, 20.3443



43.3725, 39.1938, 99.8869



39.5914, 39.1938, 11.7828

# Square

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



43.3725, 39.1938, 99.8869



53.9077, 39.1938, 28.0996



31.7372, 39.1938, 12.9660



24.4386, 39.1938, 61.5800



# Rectangle

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



43.3725, 39.1938, 99.8869



54.3034, 39.1938, 58.5313



31.7372, 39.1938, 12.9660



24.2064, 39.1938, 29.9776

# Sweetspot

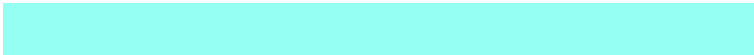
The Sweet Spot groups the original color and five complimentary colors.



43.3738, 39.1952, 99.8871



76.5496, 78.4012, 105.7061



64.4784, 84.4604, 97.5007



15.9917, 16.3206, 22.5573



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.



43.3738, 39.1952, 99.8871



37.1069, 31.6564, 98.7623



50.2554, 40.0137, 99.6824



17.1561, 17.6838, 22.7590



9.6823, 4.2741, 49.7493



0.9908, 0.5123, 4.8599



# Inverse Universe

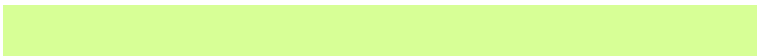
The Inverse Universe completely reimagines the original color for something new.



58.5803, 45.6473, 39.4428



54.1977, 39.2260, 30.7567



69.2168, 88.1316, 42.2189



18.0867, 18.0180, 19.0737



21.6754, 11.1594, 1.6750

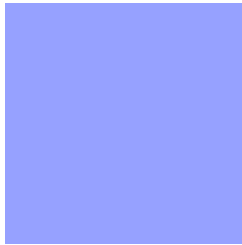


2.1347, 1.0963, 0.2909



# Previews

## White Background



This preview shows how the XYZ color 43.3725, 39.1938, 99.8869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

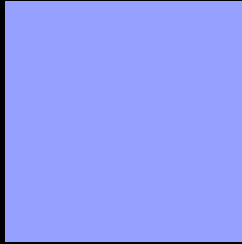
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3725, 39.1938, 99.8869 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 43.3725, 39.1938, 99.8869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3725, 39.1938, 99.8869.



This preview shows how white text looks on a background with the XYZ color 43.3725, 39.1938,



# 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

43.3725, 39.1938, 99.8869

### Protanopia

41.6585, 39.3645, 100.0102

### Deuteranopia

40.4605, 39.3052, 99.2201



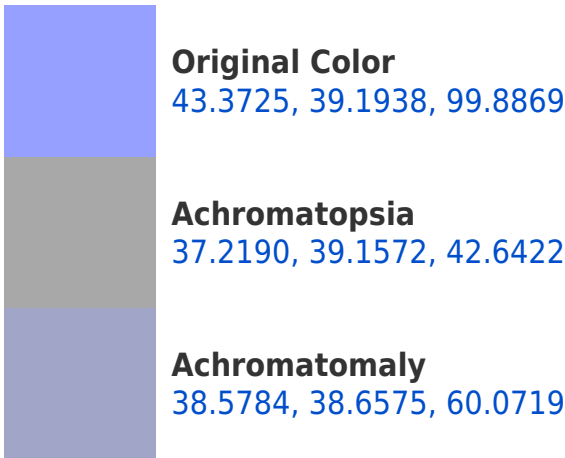
## Tritanopia

34.1881, 39.3206, 53.9318

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3725, 39.1938, 99.8869 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(150, 161, 255) looks like.

```
.text, #text, p{  
    color:rgb(150, 161, 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(150, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 161, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3725, 39.1938, 99.8869 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(150, 161, 255) }
```



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

```
.border{ border-color:rgb(150, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 161,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3725, 39.1938, 99.8869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 161, 255) }
```

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

```
.background{ background-color: rgb(150,  
161, 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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