

# Converting Colors

XYZ(45.4942, 40.2862, 99.9859)

Have a look what the booklet for  
XYZ(45.4942, 40.2862, 99.9859)  
contains.

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# Color

**XYZ(45.4928, 40.2868,  
99.9861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1A1FF
RGB	161, 161, 255
RGB Percent	63%, 63%, 100%
CMY	0.3686, 0.3686, 0.0000
CMYK	0.37, 0.37, 0.00, 0.00
HSL	240°, 100%, 82%
HSV	240°, 37%, 100%
XYZ	45.4928, 40.2868, 99.9861
YIQ	171.7160, -30.1740, 29.2340

# Conversions

## Conversions Part 2

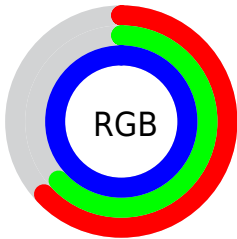
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 161, 255</a>
Decimal	<a href="#">10592767</a>
CIELab	<a href="#">69.67, 21.83, -46.68</a>
CIElCh	<a href="#">70, 51.538, 295.065</a>
Yxy	<a href="#">40.2868, 0.2449, 0.2169</a>
Android (android.graphics.Color)	<a href="#">4288782847 (0xFFA1A1FF)</a>
YUV	<a href="#">171.7160, 41.0590, -9.3979</a>
Hunter-Lab	<a href="#">63.4719, 16.8622, -48.9681</a>

# Details

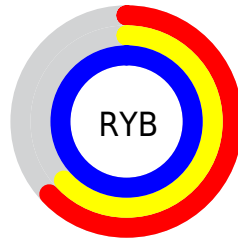
The XYZ color **45.4928, 40.2868, 99.9861** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.4328, 95.3531, 47.7272**, and the grayscale version is **38.8806, 40.9054, 44.5460**.

A 20% lighter version of the original color is **71.5193, 71.2372, 104.5884**, and **21.5947, 18.2323, 55.8071** is the 20% darker color. If you saturate the color by 10%, you get **36.8573, 29.8815, 98.4328**, and if you desaturate by 10%, it is **56.0874, 53.0524, 101.8918**.

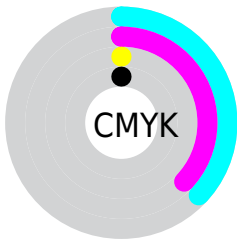
# Distribution



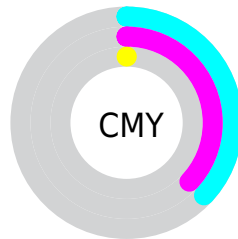
- Red (63%)
- Green (63%)
- Blue (100%)



- Red (63%)
- Yellow (63%)
- Blue (100%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4928, 40.2868, 99.9861 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 45.4928, 40.2868, 99.9861 by changing the saturation by 10% instead.



45.4928, 40.2868,  
99.9861

45.4928, 40.2868,  
99.9861

359.5160,  
347.3309, 581.3944

32.0487, 27.7622,  
75.6721

82.6919, 75.6000,  
163.1898

21.5544, 18.1465,  
55.6586

107.1777, 99.1575,  
202.9166

13.6446, 11.0552,  
39.5271

136.0747,  
127.1614, 248.6180

7.9540, 6.1040,  
26.8591

169.7483,  
159.9961, 300.7127

4.1171, 2.9084,  
17.2359

208.5639,  
198.0460, 359.6191

1.7686, 1.0841,  
10.2391

252.8868,

0.4986, 0.0000,

241.6955, 425.7559

5.4501

303.0824,  
291.3290, 499.5415

■ 0.0000, 0.0000,  
2.4504

■ 0.0000, 0.0000,  
0.8137

■ 45.4928, 40.2868,  
99.9861

■ 45.4928, 40.2868,  
99.9861

■ 36.8573, 29.8815,  
98.4328

■ 56.0874, 53.0524,  
101.8918

■ 30.0572, 21.6878,  
97.2097

■ 68.7466, 68.3060,  
104.1688

■ 24.9610, 15.5472,  
96.2931

■ 83.5733, 86.1713,  
106.8357

■ 21.4181, 11.2782,  
95.6558

95.0500, 100.0000,  
108.9000

■ 19.2514, 8.6676,  
95.2661

■ 18.2371, 7.4454,  
95.0836

■ 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.



36.9287, 40.2868, 107.3541



45.4928, 40.2868, 99.9861



52.9957, 40.2868, 75.7618

# Triad

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



45.4928, 40.2868, 99.9861



48.2255, 40.2868, 15.9645



24.4367, 40.2868, 40.0329

# Complementary

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



45.4928, 40.2868, 99.9861



83.4328, 95.3531, 47.7272

# 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.



26.5946, 40.2868, 22.4759



45.4928, 40.2868, 99.9861



39.6872, 40.2868, 12.1798

# Square

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



45.4928, 40.2868, 99.9861



54.7271, 40.2868, 27.1474



31.8931, 40.2868, 14.0345



25.5276, 40.2868, 66.3339



# Rectangle

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



45.4928, 40.2868, 99.9861



55.9647, 40.2868, 56.7949



31.8931, 40.2868, 14.0345



24.7958, 40.2868, 33.0642

# Sweetspot

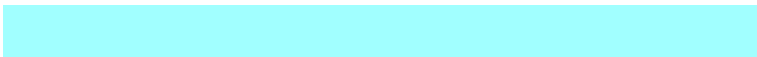
The Sweet Spot groups the original color and five complimentary colors.



45.4941, 40.2882, 99.9863



77.1683, 78.4536, 105.6836



68.5085, 86.3174, 107.6579



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.



45.4941, 40.2882, 99.9863



39.1358, 32.6269, 98.8427



56.8082, 46.1209, 100.5158



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358



# Inverse Universe

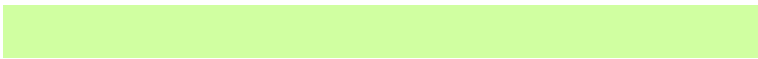
The Inverse Universe completely reimagines the original color for something new.



72.0352, 53.9707, 101.2274



69.0822, 48.0648, 100.2429



68.2061, 87.5034, 47.0146



18.7928, 18.3004, 22.7917



30.9800, 14.8813, 50.6727

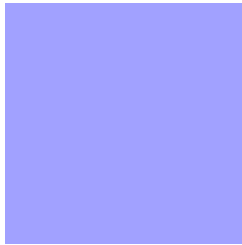


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 45.4928, 40.2868, 99.9861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

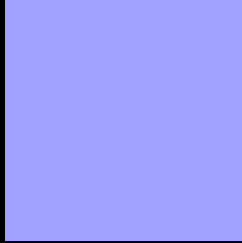
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4928, 40.2868, 99.9861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

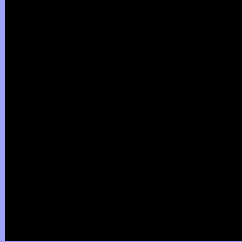
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.4928, 40.2868, 99.9861**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4928, 40.2868, 99.9861.



This preview shows how white text looks on a background with the XYZ color 45.4928, 40.2868,



# 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

45.4928, 40.2868, 99.9861

### Protanopia

42.5162, 40.3464, 100.1545

### Deuteranopia

41.5905, 40.4543, 98.5449



## Tritanopia

36.3693, 40.4451, 54.0339

# Trichromacy



## Original Color

45.4928, 40.2868, 99.9861

## Protanomaly

43.5378, 40.3333, 100.0982

## Deuteranomaly

42.8533, 40.2678, 99.2798

## Tritanomaly

39.1475, 40.1329, 68.6339

# Monochromacy



## Original Color

45.4928, 40.2868, 99.9861

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

40.8118, 40.5944, 61.5616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4928, 40.2868, 99.9861 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(161, 161, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 45.4928, 40.2868, 99.9861 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(161, 161, 255) }
```



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

```
.border{ border-color:rgb(161, 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(161, 161, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 45.4928, 40.2868, 99.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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