

# Converting Colors

XYZ(28.9855, 39.3054, 99.1336)

Have a look what the booklet for  
XYZ(28.9855, 39.3054, 99.1336)  
contains.

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# Color

**XYZ(35.4999, 42.6325,  
99.2864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BBFD
RGB	0, 187, 253
RGB Percent	0%, 73%, 99%
CMY	0.9997, 0.2667, 0.0078
CMYK	1.00, 0.26, 0.00, 0.01
HSL	196°, 100%, 50%
HSV	196°, 100%, 99%
XYZ	35.4999, 42.6325, 99.2864
YIQ	138.6110, -132.6380, -19.1180

# Conversions

## Conversions Part 2

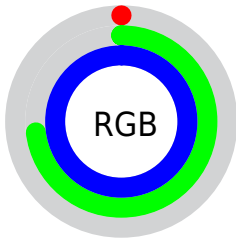
Format	Color
<b>RYB</b>	0, 108, 253
Decimal	48125
CIELab	71.30, -16.23, -43.42
CIELCh	71, 46.353, 249.499
Yxy	42.6325, 0.2001, 0.2403
Android (android.graphics.Color)	4278238205 (0xFF00BBFD)
YUV	138.6110, 56.3938, -121.5618
Hunter-Lab	65.2936, -17.2139, -44.4518

# Details

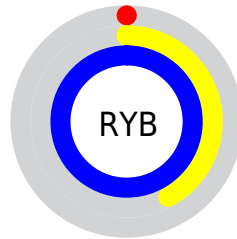
The XYZ color **35.4999, 42.6325, 99.2864** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **42.4610, 24.7874, 2.5485**, and the grayscale version is **24.2267, 25.4883, 27.7568**.

A 20% lighter version of the original color is **56.9106, 74.8319, 106.0522**, and **18.4889, 21.0357, 55.3104** is the 20% darker color. If you saturate the color by 10%, you get **35.4968, 42.6258, 99.2862**, and if you desaturate by 10%, it is **37.3436, 45.7108, 99.7843**.

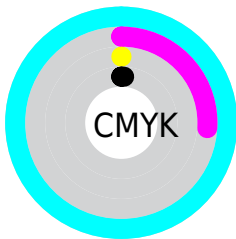
# Distribution



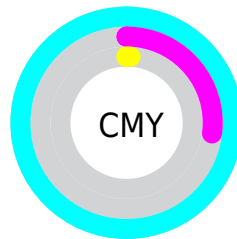
- Red (0%)
- Green (73%)
- Blue (99%)



- Red (0%)
- Yellow (42%)
- Blue (99%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (27%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4999, 42.6325, 99.2864 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 35.4999, 42.6325, 99.2864 by changing the saturation by 10% instead.





 35.4999, 42.6325,  
99.2864


 35.4999, 42.6325,  
99.2864


318.2389,  
357.0982, 579.1295

 24.2165, 29.5969,  
75.0912


 67.5884, 79.1560,  
162.2195


 15.6199, 19.5328,  
55.1854

 89.1242, 103.4127,  
201.7944


 9.3447, 12.0559,  
39.1506

 114.8083,  
132.1784, 247.3330

 5.0256, 6.7818,  
26.5681

 145.0059,  
165.8378, 299.2538

 2.2972, 3.3260,  
17.0196

 180.0824,  
204.7750, 357.9753

 0.7932, 1.3042,  
10.0864

220.4031,

 0.0000, 0.1445,

249.3746, 423.9160

5.3499

266.3335,  
300.0209, 497.4946

■ 0.0000, 0.0000,  
2.3917

■ 0.0000, 0.0000,  
0.7819

■ 35.4999, 42.6325,  
99.2864

■ 35.4999, 42.6325,  
99.2864

■ 35.4968, 42.6258,  
99.2862

■ 37.3436, 45.7108,  
99.7843

■ 39.7804, 49.1910,  
100.3276

■ 42.9740, 53.1595,  
100.9253

■ 47.0241, 57.6687,  
101.5822

■ 52.0142, 62.7630,  
102.3025

■ 58.0175, 68.4811,  
103.0898

■ 65.0995, 74.8581,  
103.9474

■ 73.3202, 81.9259,  
104.8783

■ 82.7347, 89.7141,  
105.8854

# Harmonies

## Analogous

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



30.0302, 42.6325, 79.3878



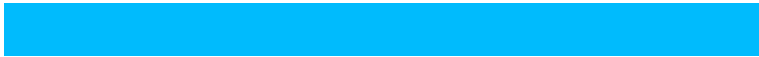
35.4999, 42.6325, 99.2864



43.0427, 42.6325, 102.8607

# Triad

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



35.4999, 42.6325, 99.2864



57.1559, 42.6325, 39.6958



31.7234, 42.6325, 20.5695

# Complementary

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



35.4999, 42.6325, 99.2864



42.4610, 24.7874, 2.5485

# 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.



38.0996, 42.6325, 15.6697



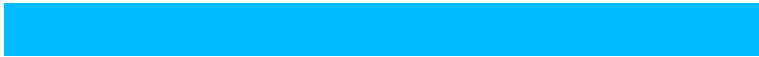
35.4999, 42.6325, 99.2864



53.2079, 42.6325, 24.1367

# Square

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



35.4999, 42.6325, 99.2864



56.2265, 42.6325, 63.1158



45.9944, 42.6325, 16.7241



28.0516, 42.6325, 32.9626



# Rectangle

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



35.4999, 42.6325, 99.2864



48.3504, 42.6325, 94.6404



45.9944, 42.6325, 16.7241



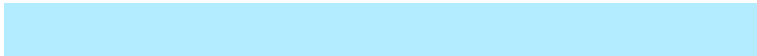
33.5859, 42.6325, 18.2055

# Sweetspot

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



35.5014, 42.6339, 99.2875



66.2444, 76.1829, 105.8211



36.0322, 70.6140, 16.4778



13.4990, 15.7024, 22.5694



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.



35.5014, 42.6339, 99.2875



36.1320, 43.3839, 101.0773



19.5250, 10.6809, 93.9620



18.1302, 19.6320, 23.0837



19.0075, 22.9246, 52.8577



1.9394, 2.4096, 5.1761



# Inverse Universe

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



49.4790, 24.4723, 49.1307



50.3669, 24.9108, 49.9918



58.8721, 57.6095, 8.0188



18.5784, 18.2147, 21.6628



26.3823, 13.0422, 26.4614



2.6136, 1.2878, 2.8124



# Previews

## White Background



This preview shows how the XYZ color 35.4999, 42.6325, 99.2864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

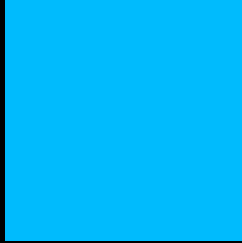
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4999, 42.6325, 99.2864 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 35.4999, 42.6325, 99.2864

## Background



This preview shows how black text looks on a background with the XYZ color 35.4999, 42.6325, 99.2864.



This preview shows how white text looks on a background with the XYZ color 35.4999, 42.6325,



# 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

35.4999, 42.6325, 99.2864

### Protanopia

43.4280, 42.1894, 88.2925

### Deuteranopia

43.2838, 42.1283, 100.4580



## Tritanopia

30.3324, 42.6449, 65.6641

# Trichromacy



**Original Color**

35.4999, 42.6325, 99.2864

**Protanomaly**

37.1333, 40.5782, 92.2614

**Deuteranomaly**

37.6360, 40.6747, 99.6333

**Tritanomaly**

32.0853, 42.6434, 77.0609

# Monochromacy



**Original Color**

35.4999, 42.6325, 99.2864

**Achromatopsia**

24.5403, 25.8183, 28.1161

**Achromatomaly**

24.1512, 29.1469, 47.5330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4999, 42.6325, 99.2864 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(0, 187, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 253)  
}
```

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(0, 187, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4999, 42.6325, 99.2864 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(0, 187, 253) }
```



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

```
.border{ border-color:rgb(0, 187, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4999, 42.6325, 99.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 253) }
```

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

```
.background{ background-color: rgb(0, 187,  
253) }
```

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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