

# Converting Colors

XYZ(49.6232, 42.8602,  
173.3698)

Have a look what the booklet for  
XYZ(49.6232, 42.8602, 173.3698)  
contains.

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# Color

**XYZ(35.7176, 37.3898,  
99.9422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52A9FF
RGB	82, 169, 255
RGB Percent	32%, 66%, 100%
CMY	0.6784, 0.3372, 0.0000
CMYK	0.68, 0.34, 0.00, 0.00
HSL	210°, 100%, 66%
HSV	210°, 68%, 100%
XYZ	35.7176, 37.3898, 99.9422
YIQ	152.7910, -79.4580, 8.3020

# Conversions

## Conversions Part 2

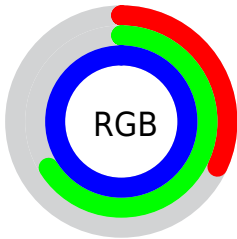
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 140, 255
Decimal	5417471
CIE Lab	67.57, 0.61, -50.29
CIE LCh	68, 50.289, 270.691
Yxy	37.3898, 0.2064, 0.2161
Android (android.graphics.Color)	4283607551 (0xFF52A9FF)
YUV	152.7910, 50.3890, -62.0837
Hunter-Lab	61.1472, -2.7413, -54.1037

# Details

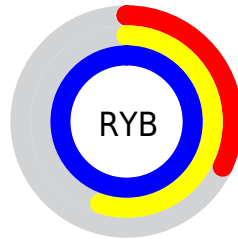
The XYZ color **35.7176, 37.3898, 99.9422** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **56.7674, 49.8774, 14.6199**, and the grayscale version is **30.0020, 31.5644, 34.3736**.

A 20% lighter version of the original color is **56.7383, 66.7344, 104.4983**, and **16.5543, 16.7998, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **31.6527, 31.9618, 99.1087**, and if you desaturate by 10%, it is **40.8371, 43.7020, 100.8907**.

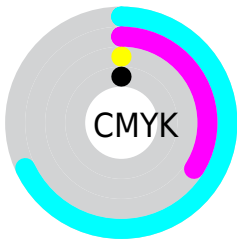
# Distribution



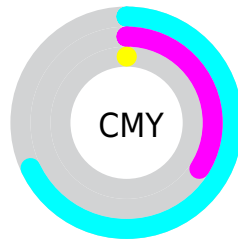
- Red (32%)
- Green (66%)
- Blue (100%)



- Red (32%)
- Yellow (55%)
- Blue (100%)



- Cyan (68%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (34%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7176, 37.3898, 99.9422 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 35.7176, 37.3898, 99.9422 by changing the saturation by 10% instead.



■ 35.7176, 37.3898,  
99.9422

■ 35.7176, 37.3898,  
99.9422

319.1773,  
334.9951, 581.2524

■ 24.3853, 25.5094,  
75.6357

■ 67.9227, 71.1719,  
163.1289

■ 15.7459, 16.4570,  
55.6289

■ 89.5262, 93.8424,  
202.8462

■ 9.4343, 9.8481,  
39.5035

■ 115.2841,  
120.8784, 248.5375

■ 5.0849, 5.2984,  
26.8408

■ 145.5617,  
152.6644, 300.6212

■ 2.3324, 2.4234,  
17.2223

180.7245,  
189.5846, 359.5161

■ 0.8112, 0.8379,  
10.2295

221.1378,

■ 0.0000, 0.0000,

232.0236, 425.6405

5.4438

267.1670,  
280.3656, 499.4131

■ 0.0000, 0.0000,  
2.4467

■ 0.0000, 0.0000,  
0.8117

■ 35.7176, 37.3898,  
99.9422

■ 35.7176, 37.3898,  
99.9422

■ 31.6527, 31.9618,  
99.1087

■ 40.8371, 43.7020,  
100.8907

■ 28.5355, 27.3517,  
98.3832

■ 47.0954, 50.9493,  
101.9598

■ 26.2315, 23.4806,  
97.7574

■ 54.5717, 59.1822,  
103.1548

■ 25.7996, 22.7192,  
97.6332

■ 63.3364, 68.4453,  
104.4808

■ 73.4542, 78.7803,  
105.9424

■ 84.9854, 90.2264,  
107.5440

95.0500, 100.0000,  
108.9000

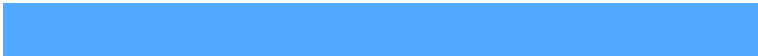
# Harmonies

## Analogous

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



28.7382, 37.3898, 90.3425



35.7176, 37.3898, 99.9422



43.6891, 37.3898, 89.4711

# Triad

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



35.7176, 37.3898, 99.9422



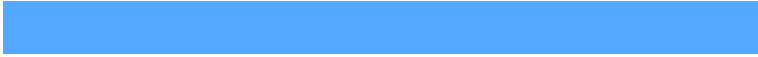
49.9356, 37.3898, 22.5996



24.0748, 37.3898, 23.2061

# Complementary

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



35.7176, 37.3898, 99.9422



56.7674, 49.8774, 14.6199

# 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.



28.4694, 37.3898, 13.9556



35.7176, 37.3898, 99.9422



43.3334, 37.3898, 13.7054

# Square

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



35.7176, 37.3898, 99.9422



52.5955, 37.3898, 40.1995



35.3588, 37.3898, 11.2320

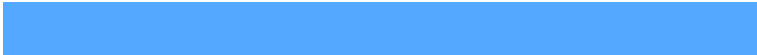


22.6356, 37.3898, 41.2271



# Rectangle

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



35.7176, 37.3898, 99.9422



48.3433, 37.3898, 74.1272



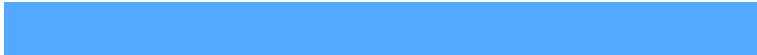
35.3588, 37.3898, 11.2320



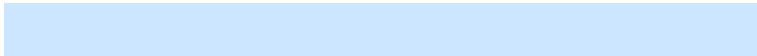
25.2206, 37.3898, 19.2372

# Sweetspot

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



35.7189, 37.3910, 99.9423



71.1504, 76.4545, 105.6149



46.0888, 76.0536, 48.1454



14.6086, 15.7333, 22.5168



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.



35.7189, 37.3910, 99.9423



30.5703, 30.4194, 98.8681



24.7706, 15.4944, 96.2929



17.7579, 18.8874, 22.9596



13.6303, 12.1703, 51.0653



1.4364, 1.4035, 5.0085



# Inverse Universe

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



51.4197, 30.1607, 40.6486



48.0091, 25.6884, 32.2708



77.6105, 91.5636, 21.5676



18.3904, 18.1395, 20.6732



23.6682, 11.9566, 12.1689



2.3596, 1.1862, 1.4753



# Previews

## White Background



This preview shows how the XYZ color 35.7176, 37.3898, 99.9422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

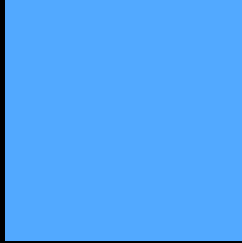
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7176, 37.3898, 99.9422 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

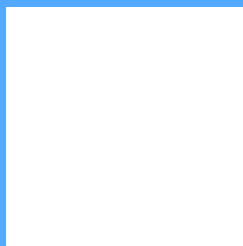
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.7176, 37.3898, 99.9422

## Background



This preview shows how black text looks on a background with the XYZ color 35.7176, 37.3898, 99.9422.



This preview shows how white text looks on a background with the XYZ color 35.7176, 37.3898,



# 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

35.7176, 37.3898, 99.9422

### Protanopia

39.3610, 37.2536, 93.9231

### Deuteranopia

38.2174, 37.0592, 99.7466



## **Tritanopia**

27.4021, 37.5047, 58.0194

# Trichromacy



## Original Color

35.7176, 37.3898, 99.9422

## Protanomaly

37.6275, 37.0934, 96.4433

## Deuteranomaly

37.0987, 37.0138, 99.7968

## Tritanomaly

29.8774, 37.2948, 71.2695

# Monochromacy



## Original Color

35.7176, 37.3898, 99.9422

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

30.4448, 33.0260, 53.4852

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7176, 37.3898, 99.9422 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(82, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 169, 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(82, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 169, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7176, 37.3898, 99.9422 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(82, 169, 255) }
```



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

```
.border{ border-color:rgb(82, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 169,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7176, 37.3898, 99.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 169, 255) }
```

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

```
.background{ background-color: rgb(82, 169,  
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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