

# Converting Colors

XYZ(52.3900, 40.9123, 97.6108)

Have a look what the booklet for  
XYZ(52.3900, 40.9123, 97.6108)  
contains.

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# Color

**XYZ(52.4055, 40.9407,  
97.2357)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | C995FC                     |
| RGB         | 201, 149, 252              |
| RGB Percent | 79%, 58%, 99%              |
| CMY         | 0.2118, 0.4157, 0.0118     |
| CMYK        | 0.20, 0.41, 0.00, 0.01     |
| HSL         | 270°, 94%, 79%             |
| HSV         | 270°, 41%, 99%             |
| XYZ         | 52.4055, 40.9407, 97.2357  |
| YIQ         | 176.2900, -2.0710, 43.0570 |

# Conversions

## Conversions Part 2

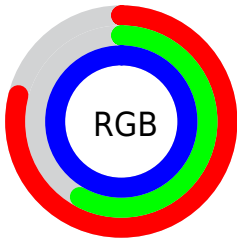
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 201, 149, 252                 |
| Decimal                             | 13211132                      |
| CIE Lab                             | 70.13, 38.73, -44.09          |
| CIE LCh                             | 70, 58.686, 311.297           |
| Yxy                                 | 40.9407, 0.2750,<br>0.2148    |
| Android<br>(android.graphics.Color) | 4291401212<br>(0xFFC995FC)    |
| YUV                                 | 176.2900, 37.3250,<br>21.6707 |
| Hunter-Lab                          | 63.9849, 34.2231,<br>-45.3115 |

# Details

The XYZ color **52.4055, 40.9407, 97.2357** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.0558, 84.0710, 41.2867**, and the grayscale version is **41.2315, 43.3788, 47.2395**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **25.8021, 18.5093, 53.8425** is the 20% darker color. If you saturate the color by 10%, you get **45.6225, 32.1527, 95.8976**, and if you desaturate by 10%, it is **60.3264, 51.5974, 98.8759**.

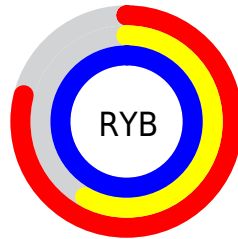
# Distribution



Red (79%)

Green (58%)

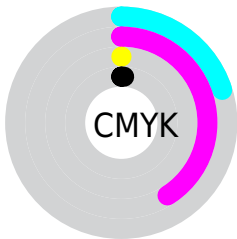
Blue (99%)



Red (79%)

Yellow (58%)

Blue (99%)

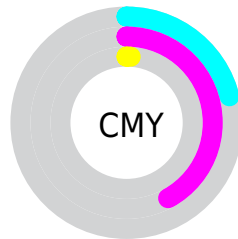


Cyan (20%)

Magenta (41%)

Yellow (0%)

Black (1%)



Cyan (21%)

Magenta (42%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4055, 40.9407, 97.2357 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 52.4055, 40.9407, 97.2357 by changing the saturation by 10% instead.




 52.4055, 40.9407,  
97.2357


 52.4055, 40.9407,  
97.2357


386.2984,  
350.0727, 572.4640

 37.5540, 28.2728,  
73.3900

 92.8997, 76.5939,  
159.3718

 25.8123, 18.5314,  
53.8012


 119.2730,  
100.3479, 198.4992

 16.8152, 11.3321,  
38.0506

150.2177,  
128.5660, 243.5577

 10.1973, 6.2907,  
25.7198

186.0991,  
161.6327, 294.9657

 5.5933, 3.0226,  
16.3903

227.2825,  
199.9323, 353.1418

 2.6377, 1.1436,  
9.6434

274.1332,

 0.9652, 0.0149,

243.8493, 418.5045

5.0607

327.0168,  
293.7679, 491.4724

■ 0.0000, 0.0000,  
2.2235

■ 0.0000, 0.0000,  
0.6879

■ 52.4055, 40.9407,  
97.2357

■ 52.4055, 40.9407,  
97.2357

■ 45.6225, 32.1527,  
95.8976

■ 60.3264, 51.5974,  
98.8759

■ 39.9104, 25.1127,  
94.8398

■ 69.4382, 64.2234,  
100.8327

■ 35.2011, 19.6934,  
94.0420

■ 79.7955, 78.9176,  
103.1231

■ 31.4157, 15.7470,  
93.4798

■ 91.4481, 95.7711,  
105.7620

■ 28.4604, 13.0971,  
93.1241

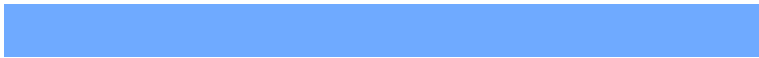
94.5708, 99.8083,  
106.3766

■ 26.3566, 11.5576,  
92.9378

# Harmonies

## Analogous

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



42.6407, 40.9407, 119.0767



52.4055, 40.9407, 97.2357



59.1386, 40.9407, 63.7617

# Triad

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



52.4055, 40.9407, 97.2357



45.1350, 40.9407, 10.9197



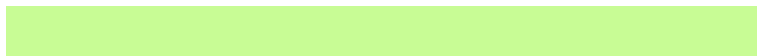
23.4777, 40.9407, 55.7519

# Complementary

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



52.4055, 40.9407, 97.2357



64.0558, 84.0710, 41.2867

# 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.



23.9209, 40.9407, 29.6880



52.4055, 40.9407, 97.2357



35.4089, 40.9407, 10.2425

# Square

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



52.4055, 40.9407, 97.2357



54.4879, 40.9407, 18.0056



27.9611, 40.9407, 15.4947



26.6306, 40.9407, 89.3409



# Rectangle

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



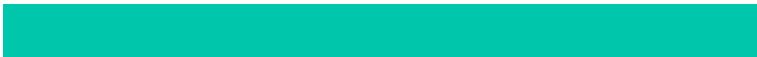
52.4055, 40.9407, 97.2357



60.4297, 40.9407, 43.3920



27.9611, 40.9407, 15.4947



23.2267, 40.9407, 45.7843

# Sweetspot

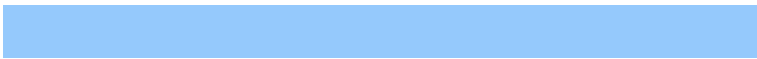
The Sweet Spot groups the original color and five complimentary colors.



52.4070, 40.9423, 97.2366



80.6971, 79.2454, 105.6504



50.7368, 54.9599, 100.0303



16.9631, 16.5199, 22.5446



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.



52.4070, 40.9423, 97.2366



48.0652, 34.5533, 98.7439



68.4641, 49.2201, 97.9881



17.1183, 17.0736, 21.7786



13.8998, 6.1083, 48.4200



1.4097, 0.6288, 4.4902



# Inverse Universe

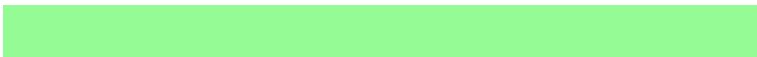
The Inverse Universe completely reimagines the original color for something new.



61.3188, 46.3620, 60.3619



58.7347, 41.0407, 54.6477



52.6309, 78.1813, 40.7520



17.6029, 17.3685, 19.7649



22.9070, 11.5785, 11.4845

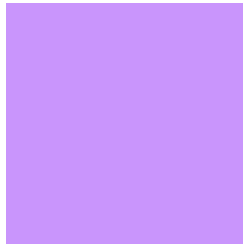


2.1750, 1.0938, 1.3451



# Previews

## White Background



This preview shows how the XYZ color 52.4055, 40.9407, 97.2357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

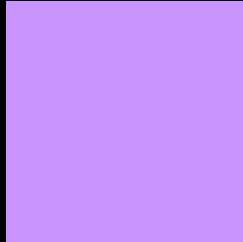
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4055, 40.9407, 97.2357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

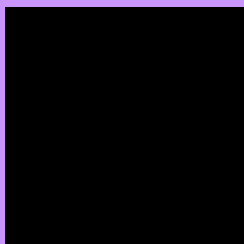
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4055, 40.9407, 97.2357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4055, 40.9407, 97.2357.



This preview shows how white text looks on a background with the XYZ color 52.4055, 40.9407,



# 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

52.4055, 40.9407, 97.2357

### Protanopia

43.3933, 41.3467, 100.3014

### Deuteranopia

42.3025, 41.1895, 94.5277



## Tritanopia

42.2301, 40.8160, 47.7720

# Trichromacy



## Original Color

52.4055, 40.9407, 97.2357



## Protanomaly

45.9140, 40.7829, 99.2179



## Deuteranomaly

45.1235, 40.4667, 95.0551



## Tritanomaly

45.4099, 40.5415, 63.1895

# Monochromacy



## Original Color

52.4055, 40.9407, 97.2357



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

44.5429, 41.9464, 62.8755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4055, 40.9407, 97.2357 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(201, 149, 252)` looks like.

```
.text, #text, p{  
    color:rgb(201, 149, 252)  
}
```

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(201, 149, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 149, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4055, 40.9407, 97.2357 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(201, 149, 252) }
```



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

```
.border{ border-color:rgb(201, 149, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 149, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 149, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 149, 252);  
box-shadow:4px 4px 4px 4px rgb(201, 149,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4055, 40.9407, 97.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 149, 252) }
```

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

```
.background{ background-color: rgb(201,  
149, 252) }
```

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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