

Converting Colors

XYZ(40.9488, 31.7717, 93.8211)

Have a look what the booklet for
XYZ(40.9488, 31.7717, 93.8211)
contains.

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Color

**XYZ(40.9338, 31.7823,
93.5997)**

Conversions

Conversions Part 1

Format	Color
Hex	A486F9
RGB	164, 134, 249
RGB Percent	64%, 53%, 98%
CMY	0.3568, 0.4745, 0.0235
CMYK	0.34, 0.46, 0.00, 0.02
HSL	256°, 91%, 75%
HSV	256°, 46%, 98%
XYZ	40.9338, 31.7823, 93.5997
YIQ	156.0800, -19.0350, 42.1250

Conversions

Conversions Part 2

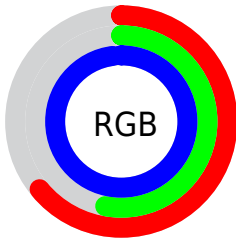
Format	Color
RYB	164, 134, 249
Decimal	10782457
CIELab	63.16, 36.37, -53.68
CIELCh	63, 64.840, 304.119
Yxy	31.7823, 0.2461, 0.1911
Android (android.graphics.Color)	4288972537 (0xFFA486F9)
YUV	156.0800, 45.8096, 6.9458
Hunter-Lab	56.3758, 30.9491, -58.9751

Details

The XYZ color **40.9338, 31.7823, 93.5997** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.3927, 84.5332, 35.3199**, and the grayscale version is **31.4449, 33.0825, 36.0268**.

A 20% lighter version of the original color is **66.1574, 58.7160, 102.4542**, and **18.8691, 13.3346, 51.4485** is the 20% darker color. If you saturate the color by 10%, you get **34.3616, 23.8732, 92.4201**, and if you desaturate by 10%, it is **48.8683, 41.5973, 95.0766**.

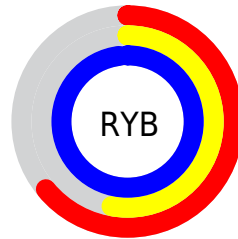
Distribution



Red (64%)

Green (53%)

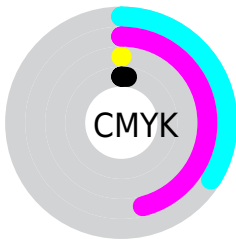
Blue (98%)



Red (64%)

Yellow (53%)

Blue (98%)

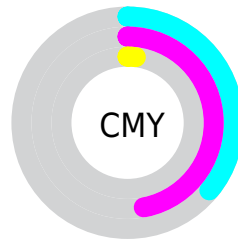


Cyan (34%)

Magenta (46%)

Yellow (0%)

Black (2%)



Cyan (36%)


Magenta (47%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9338, 31.7823, 93.5997 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 40.9338, 31.7823, 93.5997 by changing the saturation by 10% instead.


 40.9338, 31.7823,
93.5997


 40.9338, 31.7823,
93.5997

341.1112,
310.1264, 560.5417


 28.4548, 21.1953,
70.3796

 75.8587, 62.4696,
154.3075

 18.8110, 13.2668,
51.3574


 99.0354, 83.3388,
192.6323

 11.6370, 7.6125,
36.1144


 126.5086,
108.4040, 236.8291

 6.5674, 3.8480,
24.2322

158.6438,
138.0498, 287.3164

 3.2370, 1.5889,
15.2921

195.8063,
172.6606, 344.5128

 1.2803, 0.3501,
8.8758

238.3615,

 0.1684, 0.0000,

212.6206, 408.8367

4.5645

286.6746,
258.3144, 480.7069

■ 0.0000, 0.0000,
1.9399

■ 0.0000, 0.0000,
0.5179

■ 40.9338, 31.7823,
93.5997

■ 40.9338, 31.7823,
93.5997

■ 34.3616, 23.8732,
92.4201

■ 48.8683, 41.5973,
95.0766

■ 29.0666, 17.7388,
91.5151

■ 58.2354, 53.4302,
96.8669

■ 24.9596, 13.2367,
90.8626

■ 69.1051, 67.3886,
98.9882

■ 21.9368, 10.1999,
90.4357

■ 81.5414, 83.5710,
101.4563

■ 19.8733, 8.4229,
90.2015

■ 94.0990, 99.6196,
103.8921

■ 19.2763, 7.9620,
90.1440

Harmonies

Analogous

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



31.4620, 31.7823, 110.7887



40.9338, 31.7823, 93.5997



48.5018, 31.7823, 60.9066

Triad

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



40.9338, 31.7823, 93.5997



38.3659, 31.7823, 6.4962



16.0815, 31.7823, 38.2703

Complementary

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



40.9338, 31.7823, 93.5997



67.3927, 84.5332, 35.3199

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.



17.2123, 31.7823, 17.2330



40.9338, 31.7823, 93.5997



28.9880, 31.7823, 5.0408

Square

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



40.9338, 31.7823, 93.5997



46.8254, 31.7823, 13.6583



21.5416, 31.7823, 7.7282



18.0765, 31.7823, 70.2961

Rectangle

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



40.9338, 31.7823, 93.5997



50.7806, 31.7823, 39.9089



21.5416, 31.7823, 7.7282



16.1118, 31.7823, 29.7941

Sweetspot

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



40.9351, 31.7835, 93.6005



75.6497, 74.6342, 105.0264



52.5902, 63.2266, 99.0553



15.6155, 15.2281, 22.3662



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.



40.9351, 31.7835, 93.6005



36.9777, 26.0363, 97.6843



55.2158, 39.1455, 94.2688



16.7076, 16.8619, 21.7594



10.4304, 4.3198, 48.2576



1.0608, 0.4489, 4.4739

Inverse Universe

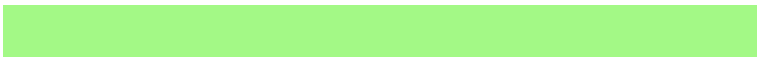
The Inverse Universe completely reimagines the original color for something new.



60.3789, 42.3053, 72.0014



60.0511, 38.5481, 70.8879



53.2328, 77.2336, 34.6572



17.7883, 17.4427, 20.7411



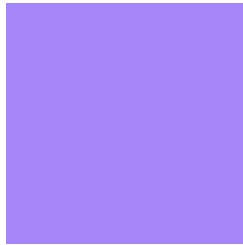
25.6067, 12.6584, 25.7010



2.4150, 1.1897, 2.6087

Previews

White Background



This preview shows how the XYZ color 40.9338, 31.7823, 93.5997 looks on a white background.

Color Contrast Check

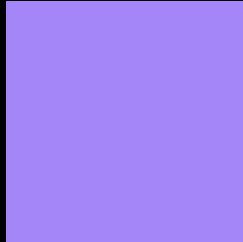
Large Text (above 18pt) WCAG AA × Fail

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 40.9338, 31.7823, 93.5997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

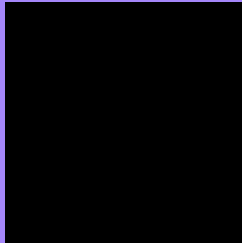
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9338, 31.7823, 93.5997

Background



This preview shows how black text looks on a background with the XYZ color 40.9338, 31.7823, 93.5997.



This preview shows how white text looks on a background with the XYZ color 40.9338, 31.7823,

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

40.9338, 31.7823, 93.5997

Protanopia

35.1041, 31.9661, 98.9276

Deuteranopia

33.0183, 32.0277, 90.8279



Tritanopia

30.0368, 31.6101, 40.1156

Trichromacy



Original Color

40.9338, 31.7823, 93.5997

Protanomaly

36.7561, 31.7055, 97.1110

Deuteranomaly

35.0818, 31.4225, 91.4049

Tritanomaly

33.3796, 31.3156, 56.5098

Monochromacy



Original Color

40.9338, 31.7823, 93.5997

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.1822, 32.2684, 53.1420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9338, 31.7823, 93.5997 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(164, 134, 249)` looks like.

```
.text, #text, p{  
    color:rgb(164, 134, 249)  
}
```

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(164, 134, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 134, 249) }
```

Border

The CSS property to change the border of an element to XYZ 40.9338, 31.7823, 93.5997 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(164, 134, 249) }
```


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

```
.border{ border-color:rgb(164, 134, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 134, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 134, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 134, 249);  
box-shadow:4px 4px 4px 4px rgb(164, 134,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9338, 31.7823, 93.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 134, 249) }
```

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

```
.background{ background-color: rgb(164,  
134, 249) }
```

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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