

Converting Colors

XYZ(51.4504, 39.5212,
128.9962)

Have a look what the booklet for
XYZ(51.4504, 39.5212, 128.9962)
contains.

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Color

**XYZ(45.8735, 37.2840,
99.3865)**

Conversions

Conversions Part 1

Format	Color
Hex	AD94FF
RGB	173, 148, 255
RGB Percent	68%, 58%, 100%
CMY	0.3216, 0.4196, 0.0000
CMYK	0.32, 0.42, 0.00, 0.00
HSL	254°, 100%, 79%
HSV	254°, 42%, 100%
XYZ	45.8735, 37.2840, 99.3865
YIQ	167.6730, -19.4470, 38.5770

Conversions

Conversions Part 2

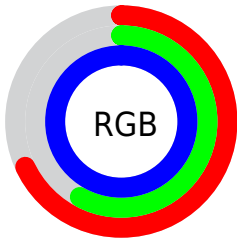
Format	Color
R_{YB}	173, 148, 255
Decimal	11375871
CIE _{Lab}	67.49, 32.33, -50.06
CIE _{LCh}	67, 59.595, 302.859
Yxy	37.2840, 0.2513, 0.2042
Android (android.graphics.Color)	4289565951 (0xFFAD94FF)
YUV	167.6730, 43.0522, 4.6718
Hunter-Lab	61.0606, 27.2470, -53.7621

Details

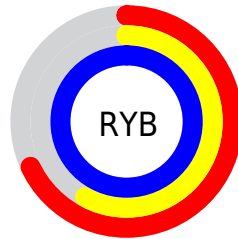
The XYZ color **45.8735, 37.2840, 99.3865** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.7383, 90.4810, 41.5963**, and the grayscale version is **36.8631, 38.7828, 42.2345**.

A 20% lighter version of the original color is **72.1255, 66.4500, 103.6324**, and **21.8039, 16.4085, 55.4441** is the 20% darker color. If you saturate the color by 10%, you get **38.2957, 28.0802, 98.0094**, and if you desaturate by 10%, it is **54.9668, 48.5781, 101.0872**.

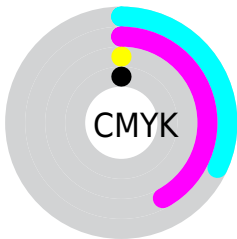
Distribution



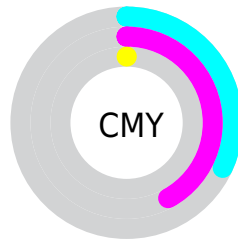
- Red (68%)
- Green (58%)
- Blue (100%)



- Red (68%)
- Yellow (58%)
- Blue (100%)



- Cyan (32%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8735, 37.2840, 99.3865 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 45.8735, 37.2840, 99.3865 by changing the saturation by 10% instead.


 45.8735, 37.2840,
99.3865


 45.8735, 37.2840,
99.3865

361.0243,
334.5385, 579.4538

 32.3502, 25.4275,
75.1742


 83.2587, 71.0094,
162.3584

 21.7860, 16.3958,
55.2531


 107.8513, 93.6470,
201.9550

 13.8154, 9.8047,
39.2044


136.8643,
120.6471, 247.5170

 8.0733, 5.2696,
26.6097

170.6632,
152.3940, 299.4626

 4.1941, 2.4063,
17.0505

209.6133,
189.2722, 358.2106

 1.8125, 0.8291,
10.1082

254.0800,

 0.5252, 0.0000,

231.6661, 424.1794

5.3642

304.4285,
279.9601, 497.7877

■ 0.0000, 0.0000,
2.4000

■ 0.0000, 0.0000,
0.7865

■ 45.8735, 37.2840,
99.3865

■ 45.8735, 37.2840,
99.3865

■ 38.2957, 28.0802,
98.0094

■ 54.9668, 48.5781,
101.0872

■ 32.1438, 20.8317,
96.9345

■ 65.6506, 62.0781,
103.1299

■ 27.3242, 15.3936,
96.1389

■ 77.9993, 77.8957,
105.5321

■ 23.7295, 11.5984,
95.5958

■ 92.0815, 96.1338,
108.3102

■ 21.2340, 9.2460,
95.2733

95.0500, 100.0000,
108.9000

■ 19.8884, 8.1677,
95.1360

Harmonies

Analogous

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



36.3227, 37.2840, 114.6462



45.8735, 37.2840, 99.3865



53.5263, 37.2840, 68.2145

Triad

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



45.8735, 37.2840, 99.3865



44.0906, 37.2840, 10.2276



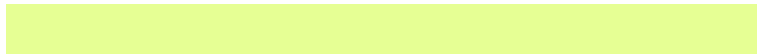
20.6017, 37.2840, 43.1630

Complementary

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



45.8735, 37.2840, 99.3865



73.7383, 90.4810, 41.5963

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.



21.9659, 37.2840, 21.6654



45.8735, 37.2840, 99.3865



34.5665, 37.2840, 8.1905

Square

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



45.8735, 37.2840, 99.3865



52.3787, 37.2840, 18.9241



26.7177, 37.2840, 11.2639



22.6104, 37.2840, 74.5579

Rectangle

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



45.8735, 37.2840, 99.3865



55.9338, 37.2840, 47.1921



26.7177, 37.2840, 11.2639



20.6817, 37.2840, 34.6450

Sweetspot

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



45.8748, 37.2854, 99.3867



76.6350, 76.1391, 105.2650



58.5695, 70.1287, 105.0570



15.7967, 15.5176, 22.4126



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.



45.8748, 37.2854, 99.3867



39.6658, 29.7257, 98.2548



60.1511, 44.6451, 100.0548



17.4002, 17.5825, 22.7266



10.5000, 4.3234, 49.7157



1.1136, 0.4680, 4.8449

Inverse Universe

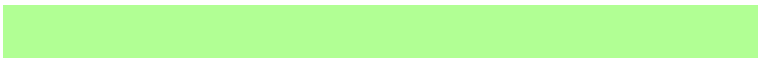
The Inverse Universe completely reimagines the original color for something new.



66.1131, 48.1538, 80.6721



62.5131, 42.0158, 76.1982



59.1313, 82.9508, 40.9127



18.6004, 18.2235, 21.7791



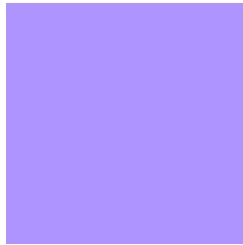
26.7810, 13.2017, 28.5607



2.6494, 1.3021, 3.0013

Previews

White Background



This preview shows how the XYZ color 45.8735, 37.2840, 99.3865 looks on a white background.

Color Contrast Check

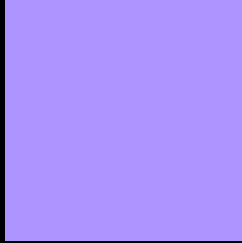
Large Text (above 18pt) WCAG AA × Fail

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 45.8735, 37.2840, 99.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

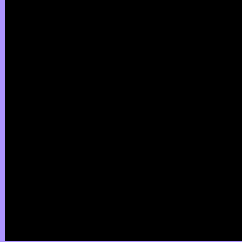
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8735, 37.2840, 99.3865

Background



This preview shows how black text looks on a background with the XYZ color 45.8735, 37.2840, 99.3865.



This preview shows how white text looks on a background with the XYZ color 45.8735, 37.2840,

99.3865.

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

45.8735, 37.2840, 99.3865

Protanopia

40.0008, 37.4556, 99.7291

Deuteranopia

38.7313, 37.6441, 97.3201



Tritanopia

35.3956, 37.2927, 47.4521

Trichromacy



Original Color

45.8735, 37.2840, 99.3865

Protanomaly

41.7925, 37.1079, 99.5676

Deuteranomaly

40.7717, 37.1210, 97.9447

Tritanomaly

38.6430, 37.0390, 63.5051

Monochromacy



Original Color

45.8735, 37.2840, 99.3865

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.7478, 38.2059, 59.9231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8735, 37.2840, 99.3865 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(173, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 148, 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(173, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.8735, 37.2840, 99.3865 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(173, 148, 255) }
```


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

```
.border{ border-color:rgb(173, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 148, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 148, 255); box-shadow:4px 4px 4px 4px rgb(173, 148, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8735, 37.2840, 99.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 148, 255) }
```

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

```
.background{ background-color: rgb(173,  
148, 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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