

Converting Colors

XYZ(42.7254, 37.8617, 82.3943)

Have a look what the booklet for
XYZ(42.7254, 37.8617, 82.3943)
contains.

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Color

**XYZ(42.7449, 37.9850,
82.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	A89CE9
RGB	168, 156, 233
RGB Percent	66%, 61%, 91%
CMY	0.3412, 0.3882, 0.0863
CMYK	0.28, 0.33, 0.00, 0.09
HSL	249°, 64%, 76%
HSV	249°, 33%, 91%
XYZ	42.7449, 37.9850, 82.1697
YIQ	168.3660, -17.5650, 26.4910

Conversions

Conversions Part 2

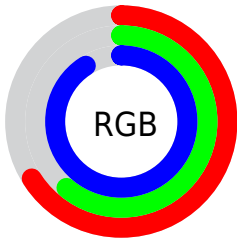
Format	Color
R _Y B	168, 156, 233
Decimal	11050217
CIE Lab	68.01, 20.97, -37.24
CIE LCh	68, 42.740, 299.377
Yxy	37.9850, 0.2624, 0.2332
Android (android.graphics.Color)	4289240297 (0xFFA89CE9)
YUV	168.3660, 31.8646, -0.3210
Hunter-Lab	61.6320, 15.9429, -35.9049

Details

The XYZ color **42.7449, 37.9850, 82.1697** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.9594, 76.0511, 42.7096**, and the grayscale version is **37.2548, 39.1950, 42.6833**.

A 20% lighter version of the original color is **72.3956, 69.8161, 104.2679**, and **19.9268, 16.8549, 43.7980** is the 20% darker color. If you saturate the color by 10%, you get **35.3283, 28.9043, 80.8085**, and if you desaturate by 10%, it is **51.5474, 48.8950, 83.8123**.

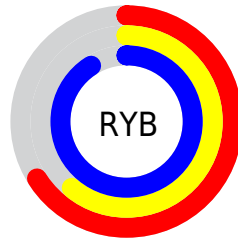
Distribution



Red (66%)

Green (61%)

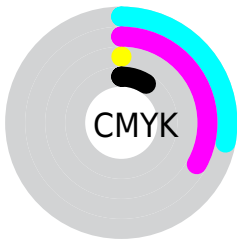
Blue (91%)



Red (66%)

Yellow (61%)

Blue (91%)

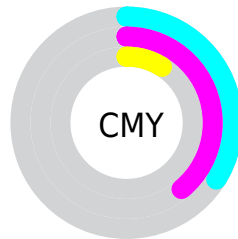


Cyan (28%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (34%)

Magenta (39%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7449, 37.9850, 82.1697 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 42.7449, 37.9850, 82.1697 by changing the saturation by 10% instead.

■ 42.7449, 37.9850,
82.1697

■ 42.7449, 37.9850,
82.1697

348.5009,
337.5556, 522.1135

■ 29.8787, 25.9710,
60.9688

■ 78.5839, 72.0851,
138.2508

■ 19.8941, 16.8020,
43.7696

■ 102.2873, 94.9401,
173.9680

■ 12.4259, 10.0934,
30.1535

130.3339,
122.1776, 215.3611

■ 7.1087, 5.4609,
19.7021

163.0889,
154.1819, 262.8486

■ 3.5771, 2.5202,
11.9968

200.9178,
191.3375, 316.8491

■ 1.4658, 0.8867,
6.6190

244.1859,

■ 0.3024, 0.0000,

234.0287, 377.7810

3.1502

293.2585,
282.6399, 446.0630

■ 0.0000, 0.0000,
1.1718

■ 0.0000, 0.0000,
0.0000

■ 42.7449, 37.9850,
82.1697

■ 42.7449, 37.9850,
82.1697

■ 35.3283, 28.9043,
80.8085

■ 51.5474, 48.8950,
83.8123

■ 29.2223, 21.5477,
79.7104

■ 61.7980, 61.7227,
85.7480

■ 24.3503, 15.8063,
78.8589

■ 73.5599, 76.5561,
87.9912

■ 20.6260, 11.5566,
78.2350

■ 86.8914, 93.4764,
90.5545

■ 17.9515, 8.6570,
77.8162

■ 91.7081, 98.6632,
91.3018

■ 16.2113, 6.9377,
77.5761

■ 15.4466, 6.2639,
77.4864

Harmonies

Analogous

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



35.9648, 37.9850, 89.8332



42.7449, 37.9850, 82.1697



48.2598, 37.9850, 62.9523

Triad

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



42.7449, 37.9850, 82.1697



43.0148, 37.9850, 17.1761



24.7699, 37.9850, 40.9625

Complementary

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



42.7449, 37.9850, 82.1697



64.9594, 76.0511, 42.7096

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.



26.1822, 37.9850, 25.3724



42.7449, 37.9850, 82.1697



36.2427, 37.9850, 14.4890

Square

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



42.7449, 37.9850, 82.1697



48.4286, 37.9850, 25.8733



30.1885, 37.9850, 16.9556



26.0701, 37.9850, 62.0446

Rectangle

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



42.7449, 37.9850, 82.1697



50.1823, 37.9850, 48.4821



30.1885, 37.9850, 16.9556



24.9401, 37.9850, 34.9705

Sweetspot

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



42.7462, 37.9865, 82.1706



79.9671, 80.9393, 106.0159



54.3948, 64.9030, 86.7520



16.6954, 16.7946, 22.6117



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.



42.7462, 37.9865, 82.1706



45.7811, 38.4260, 99.6118



52.0651, 42.7906, 82.6067



14.4498, 14.6616, 18.9906



8.8304, 3.5882, 43.9701



0.7598, 0.3160, 3.4558

Inverse Universe

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



58.5449, 46.3224, 74.2630



68.2266, 50.2806, 87.8511



54.6573, 70.7402, 42.2275



15.6081, 15.2711, 18.4874



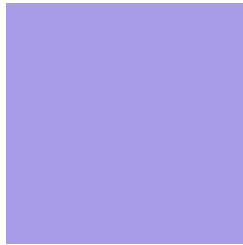
24.8039, 12.1242, 31.0983



1.9749, 0.9629, 2.5851

Previews

White Background



This preview shows how the XYZ color 42.7449, 37.9850, 82.1697 looks on a white background.

Color Contrast Check

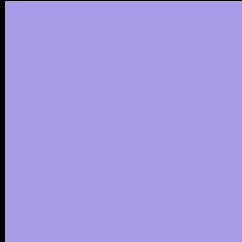
Large Text (above 18pt) WCAG AA × Fail

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 42.7449, 37.9850, 82.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

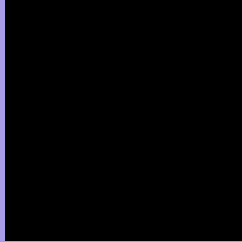
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7449, 37.9850, 82.1697

Background



This preview shows how black text looks on a background with the XYZ color 42.7449, 37.9850, 82.1697.



This preview shows how white text looks on a background with the XYZ color 42.7449, 37.9850,

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

42.7449, 37.9850, 82.1697

Protanopia

39.6617, 38.0891, 86.9229

Deuteranopia

39.0270, 38.1601, 80.9100



Tritanopia

35.9616, 38.1008, 48.6388

Trichromacy



Original Color

42.7449, 37.9850, 82.1697

Protanomaly

40.6194, 37.8353, 85.2828

Deuteranomaly

40.2593, 37.9913, 81.5551

Tritanomaly

38.1039, 37.8950, 59.3390

Monochromacy



Original Color

42.7449, 37.9850, 82.1697

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.9383, 38.6815, 55.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7449, 37.9850, 82.1697 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(168, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(168, 156, 233)  
}
```

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(168, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 156, 233) }
```

Border

The CSS property to change the border of an element to XYZ 42.7449, 37.9850, 82.1697 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(168, 156, 233) }
```


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

```
.border{ border-color:rgb(168, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(168, 156,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7449, 37.9850, 82.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 156, 233) }
```

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

```
.background{ background-color: rgb(168,  
156, 233) }
```

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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