

Converting Colors

XYZ(42.7691, 37.4867, 82.8234)

Have a look what the booklet for
XYZ(42.7691, 37.4867, 82.8234)
contains.

XYZ(42.7691, 37.4867, 82.8234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7691, 37.4867,
82.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	A99AEA
RGB	169, 154, 234
RGB Percent	66%, 60%, 92%
CMY	0.3372, 0.3961, 0.0823
CMYK	0.28, 0.34, 0.00, 0.08
HSL	251°, 66%, 76%
HSV	251°, 34%, 92%
XYZ	42.7691, 37.4867, 82.8234
YIQ	167.6050, -16.7400, 28.0600

Conversions

Conversions Part 2

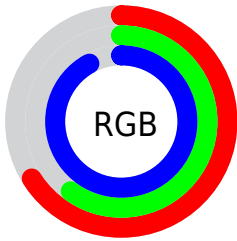
Format	Color
R _Y B	169, 154, 234
Decimal	11115242
CIE Lab	67.64, 22.63, -38.36
CIE LCh	68, 44.538, 300.536
Yxy	37.4867, 0.2623, 0.2299
Android (android.graphics.Color)	4289305322 (0xFFA99AEA)
YUV	167.6050, 32.7327, 1.2234
Hunter-Lab	61.2264, 17.5433, -37.3455

Details

The XYZ color **42.7691, 37.4867, 82.8234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.4697, 76.2395, 41.8910**, and the grayscale version is **36.8778, 38.7983, 42.2514**.

A 20% lighter version of the original color is **71.9699, 68.5005, 104.0364**, and **19.9564, 16.5597, 44.2640** is the 20% darker color. If you saturate the color by 10%, you get **35.4905, 28.5499, 81.4827**, and if you desaturate by 10%, it is **51.3962, 48.2377, 84.4445**.

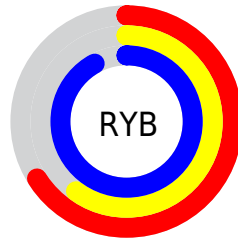
Distribution



Red (66%)

Green (60%)

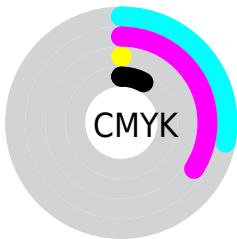
Blue (92%)



Red (66%)

Yellow (60%)

Blue (92%)

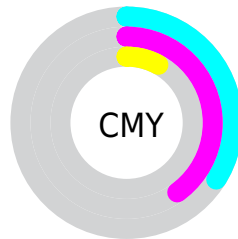


Cyan (28%)

Magenta (34%)

Yellow (0%)

Black (8%)



Cyan (34%)

Magenta (40%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7691, 37.4867, 82.8234 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 42.7691, 37.4867, 82.8234 by changing the saturation by 10% instead.

42.7691, 37.4867,
82.8234

42.7691, 37.4867,
82.8234

348.5990,
335.4129, 524.3533

29.8977, 25.5845,
61.5047

78.6202, 71.3207,
139.1751

19.9087, 16.5131,
44.1994

102.3306, 94.0213,
175.0452

12.4365, 9.8880,
30.4890

130.3848,
121.0903, 216.6029

7.1160, 5.3247,
19.9548

163.1480,
152.9118, 264.2666

3.5817, 2.4390,
12.1785

200.9857,
189.8705, 318.4550

1.4683, 0.8459,
6.7413

244.2632,

0.3041, 0.0000,

232.3506, 379.5866

3.2249

293.3458,
280.7366, 448.0798

■ 0.0000, 0.0000,
1.2106

■ 0.0000, 0.0000,
0.0000

■ 42.7691, 37.4867,
82.8234

■ 42.7691, 37.4867,
82.8234

■ 35.4905, 28.5499,
81.4827

■ 51.3962, 48.2377,
84.4445

■ 29.4870, 21.3219,
80.4040

■ 61.4322, 60.8916,
86.3580

■ 24.6842, 15.6932,
79.5707

■ 72.9385, 75.5365,
88.5783

■ 20.9980, 11.5394,
78.9632

■ 85.9716, 92.2538,
91.1181

■ 18.3326, 8.7174,
78.5590

■ 91.8514, 98.7206,
92.0565

■ 16.5748, 7.0543,
78.3306

■ 15.8848, 6.4733,
78.2548

Harmonies

Analogous

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



35.7536, 37.4867, 91.5148



42.7691, 37.4867, 82.8234



48.4081, 37.4867, 62.3878

Triad

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



42.7691, 37.4867, 82.8234



42.5280, 37.4867, 15.9501



23.9895, 37.4867, 41.1713

Complementary

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



42.7691, 37.4867, 82.8234



64.4697, 76.2395, 41.8910

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.



25.3251, 37.4867, 24.8974



42.7691, 37.4867, 82.8234



35.5066, 37.4867, 13.4767

Square

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



42.7691, 37.4867, 82.8234



48.2568, 37.4867, 24.4594



29.3331, 37.4867, 16.1399



25.4236, 37.4867, 63.2041

Rectangle

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



42.7691, 37.4867, 82.8234



50.3070, 37.4867, 47.3563



29.3331, 37.4867, 16.1399



24.1274, 37.4867, 34.9086

Sweetspot

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



42.7704, 37.4882, 82.8243



80.2320, 81.0758, 106.0283



53.5973, 63.6487, 87.3031



16.7590, 16.8274, 22.6147



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.



42.7704, 37.4882, 82.8243



45.6175, 37.7287, 99.4858



52.6082, 42.5598, 83.2847



14.4947, 14.6848, 18.9927



9.0036, 3.6775, 43.9782



0.7810, 0.3269, 3.4568

Inverse Universe

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



58.2744, 45.7193, 72.7716



67.2710, 49.2377, 84.8558



53.9242, 70.8031, 41.3975



15.5866, 15.2625, 18.3745



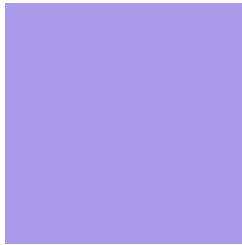
24.3422, 11.9396, 28.6672



1.9427, 0.9501, 2.4157

Previews

White Background



This preview shows how the XYZ color 42.7691, 37.4867, 82.8234 looks on a white background.

Color Contrast Check

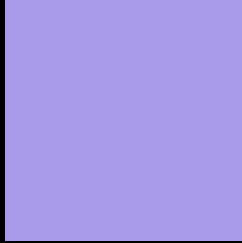
Large Text (above 18pt) WCAG AA × Fail

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 42.7691, 37.4867, 82.8234 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 42.7691, 37.4867, 82.8234

Background



This preview shows how black text looks on a background with the XYZ color 42.7691, 37.4867, 82.8234.



This preview shows how white text looks on a background with the XYZ color 42.7691, 37.4867,

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

42.7691, 37.4867, 82.8234

Protanopia

39.4450, 37.6805, 88.4132

Deuteranopia

38.6472, 37.6833, 81.5806



Tritanopia

35.5916, 37.3937, 47.4613

Trichromacy



Original Color

42.7691, 37.4867, 82.8234

Protanomaly

40.4084, 37.4534, 85.9884

Deuteranomaly

40.0413, 37.6041, 82.2387

Tritanomaly

37.8382, 37.2483, 58.6214

Monochromacy



Original Color

42.7691, 37.4867, 82.8234

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.7601, 38.3250, 55.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7691, 37.4867, 82.8234 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(169, 154, 234)` looks like.

```
.text, #text, p{  
    color:rgb(169, 154, 234)  
}
```

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(169, 154, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 154, 234) }
```

Border

The CSS property to change the border of an element to XYZ 42.7691, 37.4867, 82.8234 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(169, 154, 234) }
```


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

```
.border{ border-color:rgb(169, 154, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 154, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 154, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 154, 234);  
box-shadow:4px 4px 4px 4px rgb(169, 154,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7691, 37.4867, 82.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 154, 234) }
```

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

```
.background{ background-color: rgb(169,  
154, 234) }
```

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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