

Converting Colors

XYZ(42.6138, 39.9938, 74.5812)

Have a look what the booklet for
XYZ(42.6138, 39.9938, 74.5812)
contains.

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Color

**XYZ(42.6442, 39.9033,
74.5618)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A3DE
RGB	169, 163, 222
RGB Percent	66%, 64%, 87%
CMY	0.3372, 0.3608, 0.1294
CMYK	0.24, 0.27, 0.00, 0.13
HSL	246°, 47%, 75%
HSV	246°, 27%, 87%
XYZ	42.6442, 39.9033, 74.5618
YIQ	171.5200, -15.3630, 19.6210

Conversions

Conversions Part 2

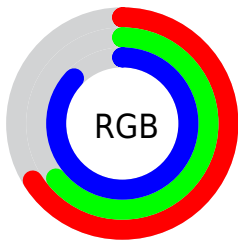
Format	Color
RYB	169, 163, 222
Decimal	11117534
CIELab	69.40, 14.67, -29.04
CIELCh	69, 32.537, 296.798
Yxy	39.9033, 0.2714, 0.2540
Android (android.graphics.Color)	4289307614 (0xFFA9A3DE)
YUV	171.5200, 24.8866, -2.2100
Hunter-Lab	63.1691, 9.9560, -25.7648

Details

The XYZ color **42.6442, 39.9033, 74.5618** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0521, 69.4868, 44.8464**, and the grayscale version is **38.8554, 40.8789, 44.5172**.

A 20% lighter version of the original color is **74.1727, 73.3704, 104.8603**, and **19.8619, 17.8719, 38.9620** is the 20% darker color. If you saturate the color by 10%, you get **35.0862, 30.6610, 73.1769**, and if you desaturate by 10%, it is **51.5492, 50.8690, 76.2097**.

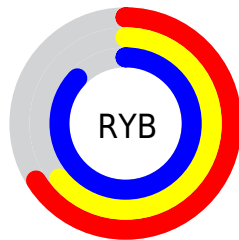
Distribution



Red (66%)

Green (64%)

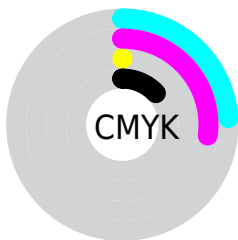
Blue (87%)



Red (66%)

Yellow (64%)

Blue (87%)

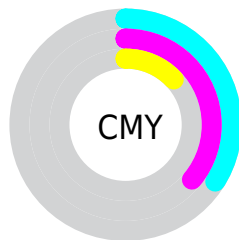


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6442, 39.9033, 74.5618 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 42.6442, 39.9033, 74.5618 by changing the saturation by 10% instead.

■ 42.6442, 39.9033,
74.5618

■ 42.6442, 39.9033,
74.5618

348.0929,
345.7158, 495.6252

■ 29.7994, 27.4632,
54.7544

■ 78.4327, 75.0162,
127.4333

■ 19.8337, 17.9214,
38.8079

■ 102.1071, 98.4578,
161.3344

■ 12.3817, 10.8936,
26.3036

130.1221,
126.3353, 200.7706

■ 7.0783, 5.9953,
16.8231

162.8430,
159.0332, 246.1603

■ 3.5579, 2.8422,
9.9478

200.6352,
196.9358, 297.9220

■ 1.4552, 1.0499,
5.2592

243.8640,

■ 0.2950, 0.0000,

240.4275, 356.4744

2.3388

292.8947,
289.8927, 422.2360

■ 0.0000, 0.0000,
0.7528

■ 0.0000, 0.0000,
0.0000

■ 42.6442, 39.9033,
74.5618

■ 42.6442, 39.9033,
74.5618

■ 35.0862, 30.6610,
73.1769

■ 51.5492, 50.8690,
76.2097

■ 28.8058, 23.0497,
72.0388

■ 61.8585, 63.6344,
78.1303

■ 23.7329, 16.9758,
71.1338

■ 73.6307, 78.2775,
80.3363

■ 19.7894, 12.3340,
70.4456

■ 86.9199, 94.8697,
82.8385

■ 16.8879, 9.0060,
69.9562

■ 90.1850, 98.0540,
83.2810

■ 14.9277, 6.8542,
69.6442

■ 13.7857, 5.7062,
69.4828

■ 13.5286, 5.4512,
69.4471

Harmonies

Analogous

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



37.3679, 39.9033, 79.0173



42.6442, 39.9033, 74.5618



46.9799, 39.9033, 61.2056

Triad

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



42.6442, 39.9033, 74.5618



43.7049, 39.9033, 23.5288



28.7456, 39.9033, 41.8589

Complementary

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



42.6442, 39.9033, 74.5618



61.0521, 69.4868, 44.8464

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.



30.1187, 39.9033, 29.5072



42.6442, 39.9033, 74.5618



38.4914, 39.9033, 20.5683

Square

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



42.6442, 39.9033, 74.5618



47.6308, 39.9033, 31.7130



33.5710, 39.9033, 22.4761



29.6395, 39.9033, 57.7703

Rectangle

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



42.6442, 39.9033, 74.5618



48.5850, 39.9033, 50.3636



33.5710, 39.9033, 22.4761



28.9540, 39.9033, 37.1962

Sweetspot

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



42.6455, 39.9049, 74.5627



82.4604, 84.3564, 106.5440



52.8717, 62.2245, 78.3319



17.1743, 17.4661, 22.7161



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.



42.6455, 39.9049, 74.5627



52.2905, 47.1691, 100.9563



49.6776, 43.5301, 74.8918



13.0807, 13.3096, 17.2673



8.0790, 3.2602, 41.2518



0.6045, 0.2489, 2.8614

Inverse Universe

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



55.6172, 46.6833, 71.0464



73.0030, 57.9978, 95.1021



53.1291, 65.4023, 44.4756



14.2318, 13.9104, 16.9909



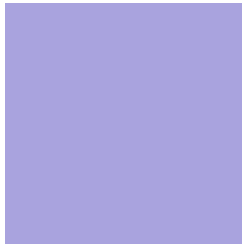
24.0698, 11.6949, 33.3628



1.6860, 0.8177, 2.4051

Previews

White Background



This preview shows how the XYZ color 42.6442, 39.9033, 74.5618 looks on a white background.

Color Contrast Check

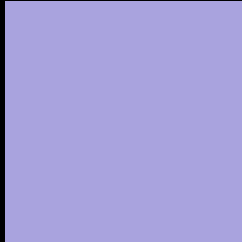
Large Text (above 18pt) WCAG AA × Fail

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 42.6442, 39.9033, 74.5618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

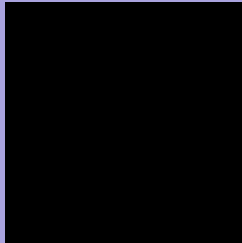
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6442, 39.9033, 74.5618

Background



This preview shows how black text looks on a background with the XYZ color 42.6442, 39.9033, 74.5618.



This preview shows how white text looks on a background with the XYZ color 42.6442, 39.9033,

74.5618.

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

42.6442, 39.9033, 74.5618

Protanopia

40.5462, 39.8460, 76.7882

Deuteranopia

40.9704, 40.1270, 73.9925



Tritanopia

37.9267, 39.8915, 51.0483

Trichromacy



Original Color

42.6442, 39.9033, 74.5618

Protanomaly

41.3888, 40.0252, 76.0652

Deuteranomaly

41.5877, 40.1743, 73.9691

Tritanomaly

39.5288, 39.7140, 59.0083

Monochromacy



Original Color

42.6442, 39.9033, 74.5618

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.2768, 40.7516, 54.4582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6442, 39.9033, 74.5618 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, 163, 222)` looks like.

```
.text, #text, p{  
    color:rgb(169, 163, 222)  
}
```

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, 163, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 163, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.6442, 39.9033, 74.5618 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, 163, 222) }
```


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

```
.border{ border-color:rgb(169, 163, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 163, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 163, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 163, 222);  
box-shadow:4px 4px 4px 4px rgb(169, 163,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6442, 39.9033, 74.5618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 163, 222) }
```

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

```
.background{ background-color: rgb(169,  
163, 222) }
```

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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