

Converting Colors

XYZ(42.4018, 39.7833, 74.2898)

Have a look what the booklet for
XYZ(42.4018, 39.7833, 74.2898)
contains.

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Color

**XYZ(42.4305, 39.7931,
74.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A3DE
RGB	168, 163, 222
RGB Percent	66%, 64%, 87%
CMY	0.3412, 0.3608, 0.1294
CMYK	0.24, 0.27, 0.00, 0.13
HSL	245°, 47%, 75%
HSV	245°, 27%, 87%
XYZ	42.4305, 39.7931, 74.5518
YIQ	171.2210, -15.9590, 19.4090

Conversions

Conversions Part 2

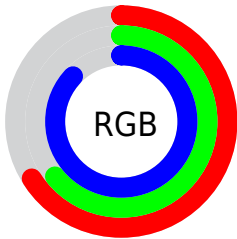
Format	Color
RYB	168, 163, 222
Decimal	11051998
CIELab	69.32, 14.37, -29.17
CIElCh	69, 32.517, 296.223
Yxy	39.7931, 0.2706, 0.2538
Android (android.graphics.Color)	4289242078 (0xFFA8A3DE)
YUV	171.2210, 25.0340, -2.8248
Hunter-Lab	63.0818, 9.6708, -25.9133

Details

The XYZ color **42.4305, 39.7931, 74.5518** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.3484, 69.6395, 44.8602**, and the grayscale version is **38.7046, 40.7203, 44.3444**.

A 20% lighter version of the original color is **73.8619, 73.2101, 104.8458**, and **19.7297, 17.8037, 38.9558** is the 20% darker color. If you saturate the color by 10%, you get **34.8365, 30.5322, 73.1652**, and if you desaturate by 10%, it is **51.3949, 50.7893, 76.2025**.

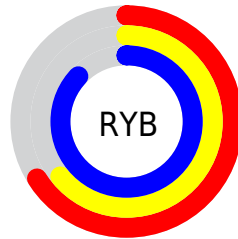
Distribution



Red (66%)

Green (64%)

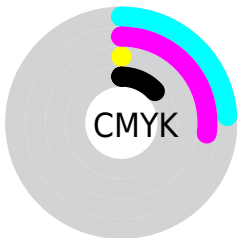
Blue (87%)



Red (66%)

Yellow (64%)

Blue (87%)

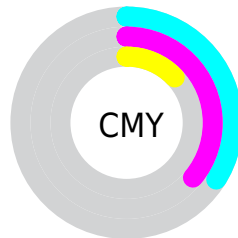


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4305, 39.7931, 74.5518 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 42.4305, 39.7931, 74.5518 by changing the saturation by 10% instead.

■ 42.4305, 39.7931,
74.5518

■ 42.4305, 39.7931,
74.5518

347.2258,
345.2507, 495.5899

■ 29.6311, 27.3773,
54.7463

■ 78.1118, 74.8484,
127.4190

■ 19.7054, 17.8568,
38.8014

■ 101.7245, 98.2566,
161.3177

■ 12.2881, 10.8472,
26.2986

129.6723,
126.0977, 200.7512

■ 7.0138, 5.9642,
16.8194

162.3206,
158.7561, 246.1381

■ 3.5171, 2.8233,
9.9452

200.0347,
196.6162, 297.8968

■ 1.4328, 1.0402,
5.2575

243.1801,

■ 0.2794, 0.0000,

240.0624, 356.4460

2.3378

292.1220,
289.4792, 422.2042

■ 0.0000, 0.0000,
0.7523

■ 0.0000, 0.0000,
0.0000

■ 42.4305, 39.7931,
74.5518

■ 42.4305, 39.7931,
74.5518

■ 34.8365, 30.5322,
73.1652

■ 51.3949, 50.7893,
76.2025

■ 28.5416, 22.9135,
72.0264

■ 61.7886, 63.5983,
78.1271

■ 23.4737, 16.8421,
71.1216

■ 73.6717, 78.2985,
80.3382

■ 19.5524, 12.2118,
70.4346

■ 87.0999, 94.9624,
82.8469

■ 16.6875, 8.9027,
69.9468

■ 90.1850, 98.0540,
83.2810

■ 14.7750, 6.7755,
69.6370

■ 13.6877, 5.6556,
69.4782

■ 13.4499, 5.4106,
69.4434

Harmonies

Analogous

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



37.1651, 39.7931, 78.7859



42.4305, 39.7931, 74.5518



46.7890, 39.7931, 61.3455

Triad

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



42.4305, 39.7931, 74.5518



43.6785, 39.7931, 23.5649



28.6688, 39.7931, 41.4625

Complementary

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



42.4305, 39.7931, 74.5518



61.3484, 69.6395, 44.8602

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.



30.0810, 39.7931, 29.2365



42.4305, 39.7931, 74.5518



38.4869, 39.7931, 20.5169

Square

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



42.4305, 39.7931, 74.5518



47.5548, 39.7931, 31.8320



33.5602, 39.7931, 22.3261



29.5172, 39.7931, 57.3038

Rectangle

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



42.4305, 39.7931, 74.5518



48.4266, 39.7931, 50.5370



33.5602, 39.7931, 22.3261



28.8912, 39.7931, 36.8393

Sweetspot

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



42.4318, 39.7947, 74.5527



82.3453, 84.2971, 106.5386



53.1245, 62.7302, 78.4161



17.1456, 17.4513, 22.7147



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.



42.4318, 39.7947, 74.5527



51.9662, 47.0019, 100.9411



49.4185, 43.3964, 74.8797



13.0592, 13.2985, 17.2663



8.0271, 3.2334, 41.2494



0.5942, 0.2436, 2.8609

Inverse Universe

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



55.7468, 46.7351, 71.7291



73.2168, 58.0834, 96.2282



53.3698, 65.5264, 44.4868



14.2423, 13.9146, 17.0461



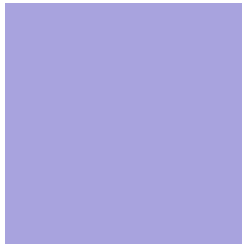
24.3297, 11.7989, 34.7314



1.7014, 0.8238, 2.4863

Previews

White Background



This preview shows how the XYZ color 42.4305, 39.7931, 74.5518 looks on a white background.

Color Contrast Check

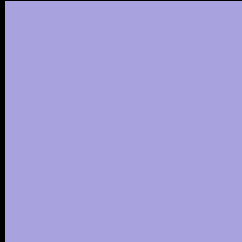
Large Text (above 18pt) WCAG AA × Fail

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 42.4305, 39.7931, 74.5518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

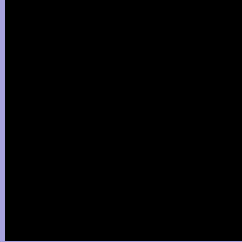
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4305, 39.7931, 74.5518

Background



This preview shows how black text looks on a background with the XYZ color 42.4305, 39.7931, 74.5518.



This preview shows how white text looks on a background with the XYZ color 42.4305, 39.7931,

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

42.4305, 39.7931, 74.5518

Protanopia

40.5462, 39.8460, 76.7882

Deuteranopia

40.5920, 39.6610, 73.9225



Tritanopia

37.7244, 39.7872, 51.0388

Trichromacy



Original Color

42.4305, 39.7931, 74.5518

Protanomaly

41.1913, 39.9234, 76.0560

Deuteranomaly

41.2042, 39.7078, 73.8993

Tritanomaly

39.3216, 39.6072, 58.9986

Monochromacy



Original Color

42.4305, 39.7931, 74.5518

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.8745, 40.2690, 54.3863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4305, 39.7931, 74.5518 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, 163, 222)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 163, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.4305, 39.7931, 74.5518 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, 163, 222) }
```


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

```
.border{ border-color:rgb(168, 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(168, 163, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 163, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 163, 222); box-shadow:4px 4px 4px 4px rgb(168, 163, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4305, 39.7931, 74.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 222) }
```

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

```
.background{ background-color: rgb(168,  
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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