

Converting Colors

XYZ(42.6205, 41.3318, 75.1213)

Have a look what the booklet for
XYZ(42.6205, 41.3318, 75.1213)
contains.

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Color

**XYZ(42.4973, 41.1717,
74.8143)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A8DE
RGB	164, 168, 222
RGB Percent	64%, 66%, 87%
CMY	0.3569, 0.3412, 0.1294
CMYK	0.26, 0.24, 0.00, 0.13
HSL	236°, 47%, 76%
HSV	236°, 26%, 87%
XYZ	42.4973, 41.1717, 74.8143
YIQ	172.9600, -19.7180, 15.9460

Conversions

Conversions Part 2

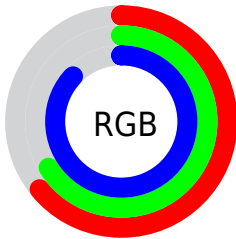
Format	Color
RYB	164, 168, 222
Decimal	10791134
CIELab	70.30, 10.37, -27.70
CIELCh	70, 29.575, 290.525
Yxy	41.1717, 0.2682, 0.2598
Android (android.graphics.Color)	4288981214 (0xFFA4A8DE)
YUV	172.9600, 24.1767, -7.8579
Hunter-Lab	64.1652, 5.9334, -24.2144

Details

The XYZ color **42.4973, 41.1717, 74.8143** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.8971, 68.3532, 45.0545**, and the grayscale version is **39.5891, 41.6508, 45.3578**.

A 20% lighter version of the original color is **73.9529, 75.2110, 105.2272**, and **19.7760, 18.6603, 39.1187** is the 20% darker color. If you saturate the color by 10%, you get **34.7923, 31.9790, 73.4467**, and if you desaturate by 10%, it is **51.6112, 51.9929, 76.4233**.

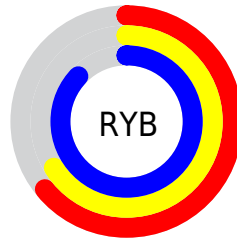
Distribution



Red (64%)

Green (66%)

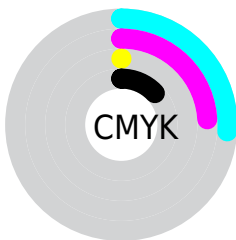
Blue (87%)



Red (64%)

Yellow (66%)

Blue (87%)

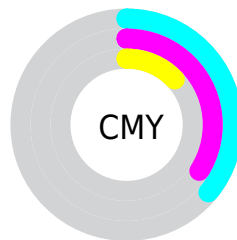


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (36%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4973, 41.1717, 74.8143 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 42.4973, 41.1717, 74.8143 by changing the saturation by 10% instead.

■ 42.4973, 41.1717,
74.8143

■ 42.4973, 41.1717,
74.8143

347.4970,
351.0377, 496.5174

■ 29.6837, 28.4533,
54.9600

■ 78.2122, 76.9445,
127.7941

■ 19.7455, 18.6676,
38.9713

■ 101.8441,
100.7676, 161.7567

■ 12.3174, 11.4304,
26.4297

129.8130,
129.0611, 201.2591

■ 7.0339, 6.3571,
16.9168

162.4840,
162.2093, 246.7199

■ 3.5299, 3.0634,
10.0138

200.2225,
200.5967, 298.5576

■ 1.4398, 1.1649,
5.3024

243.3939,

■ 0.2843, 0.0328,

244.6077, 357.1907

2.3639

292.3637,
294.6265, 423.0378

■ 0.0000, 0.0000,
0.7667

■ 0.0000, 0.0000,
0.0000

■ 42.4973, 41.1717,
74.8143

■ 42.4973, 41.1717,
74.8143

■ 34.7923, 31.9790,
73.4467

■ 51.6112, 51.9929,
76.4233

■ 28.4220, 24.3313,
72.3063

■ 62.1951, 64.5108,
78.2817

■ 23.3115, 18.1450,
71.3816

■ 74.3115, 78.7960,
80.4004

■ 19.3769, 13.3268,
70.6590

■ 88.0182, 94.9134,
82.7890

■ 16.5241, 9.7726,
70.1233

■ 90.1849, 98.0540,
83.2810

■ 14.6444, 7.3629,
69.7573

■ 13.6055, 5.9551,
69.5403

■ 13.3602, 5.6245,
69.4894

Harmonies

Analogous

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



37.6159, 41.1717, 76.7045



42.4973, 41.1717, 74.8143



46.7889, 41.1717, 64.0621

Triad

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



42.4973, 41.1717, 74.8143



45.3716, 41.1717, 27.1982



30.6287, 41.1717, 40.5708

Complementary

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



42.4973, 41.1717, 74.8143



61.8971, 68.3532, 45.0545

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.



32.3605, 41.1717, 29.8912



42.4973, 41.1717, 74.8143



40.6892, 41.1717, 23.2930

Square

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



42.4973, 41.1717, 74.8143



48.5413, 41.1717, 36.0941



35.9501, 41.1717, 24.1647



31.0255, 41.1717, 54.8703

Rectangle

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



42.4973, 41.1717, 74.8143



48.6088, 41.1717, 54.3452



35.9501, 41.1717, 24.1647



30.9754, 41.1717, 36.4941

Sweetspot

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



42.4986, 41.1733, 74.8152



82.1765, 84.8092, 106.6464



53.9782, 65.1544, 75.4912



17.1036, 17.5788, 22.7415



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.



42.4986, 41.1733, 74.8152



52.5491, 49.6560, 101.4227



47.2416, 42.5387, 74.8288



13.0276, 13.3943, 17.2864



7.9647, 3.3989, 41.2846



0.5791, 0.2897, 2.8706

Inverse Universe

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



50.4687, 44.9090, 43.0558



65.1374, 55.6438, 51.2402



56.0679, 66.9069, 45.0825



13.7454, 13.7158, 14.4294



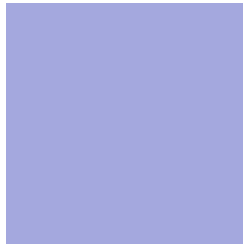
17.9604, 9.2512, 1.1913



1.2586, 0.6467, 0.1545

Previews

White Background



This preview shows how the XYZ color 42.4973, 41.1717, 74.8143 looks on a white background.

Color Contrast Check

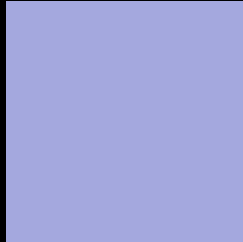
Large Text (above 18pt) WCAG AA × Fail

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 42.4973, 41.1717, 74.8143 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 42.4973, 41.1717, 74.8143

Background



This preview shows how black text looks on a background with the XYZ color 42.4973, 41.1717, 74.8143.



This preview shows how white text looks on a background with the XYZ color 42.4973, 41.1717,

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

42.4973, 41.1717, 74.8143

Protanopia

41.7946, 41.3463, 75.5899

Deuteranopia

42.2731, 41.3312, 74.8569



Tritanopia

38.1178, 41.0710, 53.4954

Trichromacy



Original Color

42.4973, 41.1717, 74.8143

Protanomaly

42.0045, 41.1772, 75.5462

Deuteranomaly

42.4770, 41.4364, 74.8665

Tritanomaly

39.6751, 41.1488, 60.4950

Monochromacy



Original Color

42.4973, 41.1717, 74.8143

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.5444, 41.4335, 55.1507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4973, 41.1717, 74.8143 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(164, 168, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 168, 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(164, 168, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 168, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.4973, 41.1717, 74.8143 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(164, 168, 222) }
```


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

```
.border{ border-color:rgb(164, 168, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 168, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 168, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 168, 222);  
box-shadow:4px 4px 4px 4px rgb(164, 168,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4973, 41.1717, 74.8143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 168, 222) }
```

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

```
.background{ background-color: rgb(164,  
168, 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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