

Converting Colors

XYZ(39.8893, 40.2893, 74.9230)

Have a look what the booklet for
XYZ(39.8893, 40.2893, 74.9230)
contains.

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Color

**XYZ(39.9540, 40.4129,
74.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	95AADE
RGB	149, 170, 222
RGB Percent	58%, 67%, 87%
CMY	0.4157, 0.3333, 0.1294
CMYK	0.33, 0.23, 0.00, 0.13
HSL	223°, 53%, 73%
HSV	223°, 33%, 87%
XYZ	39.9540, 40.4129, 74.8019
YIQ	169.6490, -29.2080, 11.7200

Conversions

Conversions Part 2

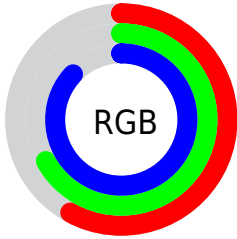
Format	Color
RYB	149, 165, 222
Decimal	9808606
CIELab	69.76, 4.88, -28.61
CIELCh	70, 29.021, 279.689
Yxy	40.4129, 0.2575, 0.2604
Android (android.graphics.Color)	4287998686 (0xFF95AADE)
YUV	169.6490, 25.8090, -18.1092
Hunter-Lab	63.5711, 0.9365, -25.2646

Details

The XYZ color **39.9540, 40.4129, 74.8019** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.4366, 59.4738, 36.9404**, and the grayscale version is **37.9211, 39.8959, 43.4467**.

A 20% lighter version of the original color is **70.1521, 74.0496, 105.2033**, and **18.2774, 18.2337, 39.1153** is the 20% darker color. If you saturate the color by 10%, you get **33.4950, 32.9447, 73.7015**, and if you desaturate by 10%, it is **47.5443, 48.9955, 76.0592**.

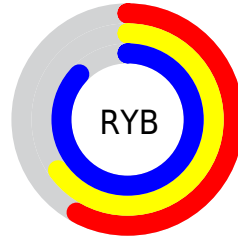
Distribution



Red (58%)

Green (67%)

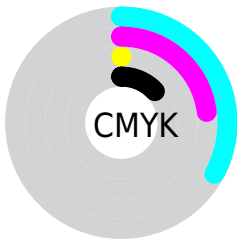
Blue (87%)



Red (58%)

Yellow (65%)

Blue (87%)

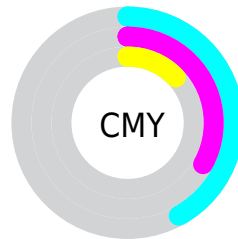


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9540, 40.4129, 74.8019 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 39.9540, 40.4129, 74.8019 by changing the saturation by 10% instead.

■ 39.9540, 40.4129,
74.8019

■ 39.9540, 40.4129,
74.8019

337.0674,
347.8608, 496.4736

■ 27.6867, 27.8606,
54.9499

■ 74.3782, 75.7919,
127.7764

■ 18.2289, 18.2206,
38.9633

■ 97.2659, 99.3873,
161.7360

■ 11.2151, 11.1085,
26.4235

124.4245,
127.4326, 201.2351

■ 6.2801, 6.1399,
16.9122

156.2192,
160.3122, 246.6924

■ 3.0584, 2.9303,
10.0106

193.0155,
198.4104, 298.5264

■ 1.1847, 1.0955,
5.3003

235.1788,

■ 0.0943, 0.0000,

242.1117, 357.1555

2.3627

283.0743,
291.8003, 422.9984

■ 0.0000, 0.0000,
0.7660

■ 0.0000, 0.0000,
0.0000

■ 39.9540, 40.4129,
74.8019

■ 39.9540, 40.4129,
74.8019

■ 33.4950, 32.9447,
73.7015

■ 47.5443, 48.9955,
76.0592

■ 28.1066, 26.5382,
72.7489

■ 56.3143, 58.7324,
77.4764

■ 23.7285, 21.1434,
71.9384

■ 66.3145, 69.6677,
79.0600

■ 20.2922, 16.7039,
71.2626

■ 77.5911, 81.8412,
80.8154

■ 17.7199, 13.1571,
70.7136

■ 88.3228, 94.3297,
82.6603

■ 15.9196, 10.4310,
70.2823

■ 90.1850, 98.0540,
83.2810

■ 15.0107, 8.9254,
70.0396

Harmonies

Analogous

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



35.3558, 40.4129, 73.0476



39.9540, 40.4129, 74.8019



44.4831, 40.4129, 67.1031

Triad

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



39.9540, 40.4129, 74.8019



45.8019, 40.4129, 29.4440



30.5364, 40.4129, 35.6081

Complementary

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



39.9540, 40.4129, 74.8019



56.4366, 59.4738, 36.9404

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.



32.9187, 40.4129, 26.9248



39.9540, 40.4129, 74.8019



41.6379, 40.4129, 23.9028

Square

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



39.9540, 40.4129, 74.8019



48.0368, 40.4129, 39.7848



36.9087, 40.4129, 23.0858



30.1659, 40.4129, 48.5089

Rectangle

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



39.9540, 40.4129, 74.8019



46.7625, 40.4129, 58.4169



36.9087, 40.4129, 23.0858



31.1186, 40.4129, 32.1792

Sweetspot

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



39.9553, 40.4145, 74.8028



80.7595, 84.4336, 106.6486



48.9539, 62.8079, 64.2490



16.8860, 17.6331, 22.7635



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.



39.9553, 40.4145, 74.8028



48.8469, 48.5902, 101.4121



39.1610, 34.6204, 73.7263



13.2716, 13.8824, 17.3678



8.9986, 5.4669, 41.6293



0.6990, 0.5295, 2.9106

Inverse Universe

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



48.1285, 39.9282, 43.2020



61.7215, 48.3536, 51.5150



57.3911, 67.7364, 38.4849



13.8686, 13.7651, 15.0781



18.4823, 9.4599, 3.9396



1.3191, 0.6709, 0.4732

Previews

White Background



This preview shows how the XYZ color 39.9540, 40.4129, 74.8019 looks on a white background.

Color Contrast Check

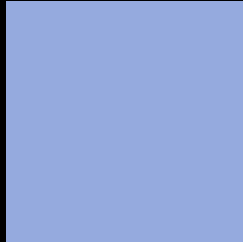
Large Text (above 18pt) WCAG AA × Fail

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 39.9540, 40.4129, 74.8019 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 39.9540, 40.4129, 74.8019

Background



This preview shows how black text looks on a background with the XYZ color 39.9540, 40.4129, 74.8019.



This preview shows how white text looks on a background with the XYZ color 39.9540, 40.4129,

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

39.9540, 40.4129, 74.8019

Protanopia

40.7641, 40.2936, 74.0356

Deuteranopia

41.2386, 40.2342, 75.4045



Tritanopia

35.9749, 40.5192, 54.6401

Trichromacy



Original Color

39.9540, 40.4129, 74.8019

Protanomaly

40.3760, 40.3687, 74.0705

Deuteranomaly

40.8395, 40.3015, 75.4385

Tritanomaly

37.4738, 40.5561, 61.7301

Monochromacy



Original Color

39.9540, 40.4129, 74.8019

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4603, 40.1050, 53.8581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9540, 40.4129, 74.8019 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(149, 170, 222)` looks like.

```
.text, #text, p{  
    color:rgb(149, 170, 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(149, 170, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 170, 222) }
```

Border

The CSS property to change the border of an element to XYZ 39.9540, 40.4129, 74.8019 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(149, 170, 222) }
```


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

```
.border{ border-color:rgb(149, 170, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 170, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 170, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 170, 222);  
box-shadow:4px 4px 4px 4px rgb(149, 170,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9540, 40.4129, 74.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 170, 222) }
```

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

```
.background{ background-color: rgb(149,  
170, 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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