

Converting Colors

XYZ(40.0500, 41.5162, 70.3849)

Have a look what the booklet for
XYZ(40.0500, 41.5162, 70.3849)
contains.

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Color

**XYZ(39.9718, 41.3727,
70.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	97ADD7
RGB	151, 173, 215
RGB Percent	59%, 68%, 84%
CMY	0.4078, 0.3216, 0.1569
CMYK	0.30, 0.20, 0.00, 0.16
HSL	219°, 44%, 72%
HSV	219°, 30%, 84%
XYZ	39.9718, 41.3727, 70.1690
YIQ	171.2100, -26.5940, 8.3980

Conversions

Conversions Part 2

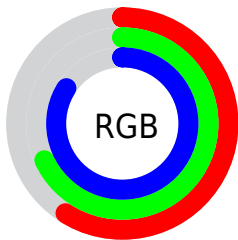
Format	Color
RYB	151, 167, 215
Decimal	9940439
CIELab	70.44, 2.04, -23.72
CIELCh	70, 23.812, 274.906
Yxy	41.3727, 0.2638, 0.2731
Android (android.graphics.Color)	4288130519 (0xFF97ADD7)
YUV	171.2100, 21.5885, -17.7242
Hunter-Lab	64.3216, -1.6364, -19.6548

Details

The XYZ color **39.9718, 41.3727, 70.1690** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.6810, 54.8220, 37.0845**, and the grayscale version is **38.7197, 40.7361, 44.3617**.

A 20% lighter version of the original color is **71.2470, 75.8286, 105.4890**, and **18.2195, 18.8095, 35.9280** is the 20% darker color. If you saturate the color by 10%, you get **33.7757, 34.3728, 69.1452**, and if you desaturate by 10%, it is **47.1840, 49.3224, 71.3240**.

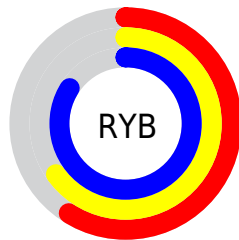
Distribution



Red (59%)

Green (68%)

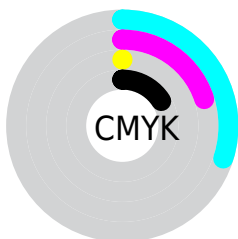
Blue (84%)



Red (59%)

Yellow (65%)

Blue (84%)

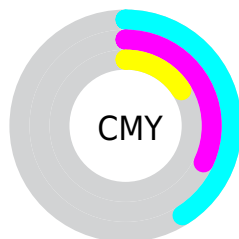


Cyan (30%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (41%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9718, 41.3727, 70.1690 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 39.9718, 41.3727, 70.1690 by changing the saturation by 10% instead.

■ 39.9718, 41.3727,
70.1690

■ 39.9718, 41.3727,
70.1690

337.1412,
351.8759, 479.9483

■ 27.7007, 28.6104,
51.1867

■ 74.4052, 77.2493,
121.1331

■ 18.2394, 18.7863,
35.9794

■ 97.2981, 101.1325,
153.9520

■ 11.2228, 11.5160,
24.1287

124.4624,
129.4914, 192.2201

■ 6.2853, 6.4150,
15.2161

156.2634,
162.7104, 236.3560

■ 3.0616, 3.0990,
8.8229

193.0664,
201.1740, 286.7782

■ 1.1864, 1.1837,
4.5306

235.2368,

■ 0.0956, 0.0483,

245.2665, 343.9053

1.9207

283.1399,
295.3724, 408.1558

■ 0.0000, 0.0000,
0.5059

■ 0.0000, 0.0000,
0.0000

■ 39.9718, 41.3727,
70.1690

■ 39.9718, 41.3727,
70.1690

■ 33.7757, 34.3728,
69.1452

■ 47.1840, 49.3224,
71.3240

■ 28.5431, 28.2798,
68.2449

■ 55.4532, 58.2528,
72.6119

■ 24.2229, 23.0544,
67.4640

■ 64.8230, 68.1992,
74.0379

■ 20.7569, 18.6521,
66.7969

■ 75.3332, 79.1938,
75.6062

■ 18.0798, 15.0238,
66.2377

■ 85.7210, 90.5966,
77.2596

■ 16.1152, 12.1137,
65.7795

■ 89.2659, 97.6864,
78.4413

■ 14.7370, 9.8392,
65.4131

■ 14.7086, 9.7919,
65.4055

Harmonies

Analogous

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



36.2117, 41.3727, 67.5693



39.9718, 41.3727, 70.1690



43.7977, 41.3727, 65.1784

Triad

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



39.9718, 41.3727, 70.1690



45.8367, 41.3727, 33.7868



32.8830, 41.3727, 36.4964

Complementary

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



39.9718, 41.3727, 70.1690



52.6810, 54.8220, 37.0845

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.



35.1649, 41.3727, 29.5582



39.9718, 41.3727, 70.1690



42.6087, 41.3727, 28.1857

Square

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



39.9718, 41.3727, 70.1690



47.3242, 41.3727, 43.2264



38.6823, 41.3727, 26.7767



32.2795, 41.3727, 46.9197

Rectangle

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



39.9718, 41.3727, 70.1690



45.8209, 41.3727, 58.6379



38.6823, 41.3727, 26.7767



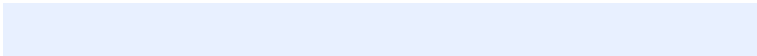
33.4714, 41.3727, 33.7387

Sweetspot

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



39.9731, 41.3743, 70.1700



82.4872, 86.6687, 106.9889



46.6450, 59.0135, 59.1518



17.2482, 18.1144, 22.8373



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.



39.9731, 41.3743, 70.1700



52.6561, 53.9493, 102.2457



37.9510, 34.5764, 68.9644



12.0882, 12.6998, 15.7517



8.8866, 6.0350, 39.1497



0.6119, 0.5159, 2.3866

Inverse Universe

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



46.6349, 39.5987, 44.7222



64.1957, 51.4546, 58.0344



55.1746, 63.8722, 38.7000



12.5977, 12.4906, 13.8218



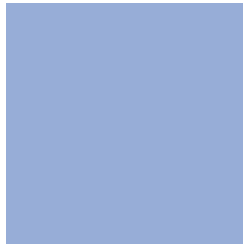
17.5444, 8.9541, 4.9050



1.0965, 0.5554, 0.4977

Previews

White Background



This preview shows how the XYZ color 39.9718, 41.3727, 70.1690 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 39.9718, 41.3727, 70.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

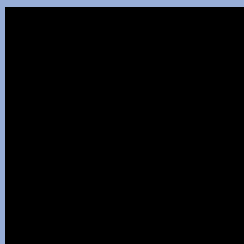
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9718, 41.3727, 70.1690

Background



This preview shows how black text looks on a background with the XYZ color 39.9718, 41.3727, 70.1690.



This preview shows how white text looks on a background with the XYZ color 39.9718, 41.3727,

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

39.9718, 41.3727, 70.1690

Protanopia

41.2853, 41.2349, 68.7340

Deuteranopia

42.3085, 41.4408, 70.7347



Tritanopia

36.9802, 41.3169, 55.3161

Trichromacy



Original Color

39.9718, 41.3727, 70.1690

Protanomaly

40.8011, 41.2500, 69.4299

Deuteranomaly

41.4673, 41.2844, 70.7489

Tritanomaly

38.1634, 41.5167, 60.6457

Monochromacy



Original Color

39.9718, 41.3727, 70.1690

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.0320, 40.9854, 52.8675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9718, 41.3727, 70.1690 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(151, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(151, 173, 215)  
}
```

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(151, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 173, 215) }
```

Border

The CSS property to change the border of an element to XYZ 39.9718, 41.3727, 70.1690 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(151, 173, 215) }
```


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

```
.border{ border-color:rgb(151, 173, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 173, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(151, 173,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9718, 41.3727, 70.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 173, 215) }
```

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

```
.background{ background-color: rgb(151,  
173, 215) }
```

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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