

Converting Colors

XYZ(49.3659, 70.8707,
102.3471)

Have a look what the booklet for
XYZ(49.3659, 70.8707, 102.3471)
contains.

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Color

**XYZ(49.4632, 71.0662,
102.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	00F3FB
RGB	0, 243, 251
RGB Percent	0%, 95%, 98%
CMY	0.9997, 0.0470, 0.0157
CMYK	1.00, 0.03, 0.00, 0.02
HSL	182°, 100%, 49%
HSV	182°, 100%, 98%
XYZ	49.4632, 71.0662, 102.3770
YIQ	171.2550, -147.3960, -49.0280

Conversions

Conversions Part 2

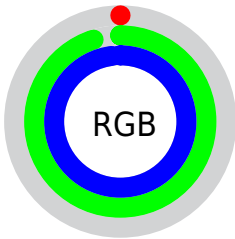
Format	Color
RYB	0, 123, 251
Decimal	62459
CIELab	87.52, -44.02, -17.46
CIELCh	88, 47.352, 201.633
Yxy	71.0662, 0.2219, 0.3188
Android (android.graphics.Color)	4278252539 (0xFF00F3FB)
YUV	171.2550, 39.3143, -150.1906
Hunter-Lab	84.3008, -42.7921, -12.9927

Details

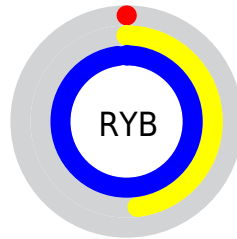
The XYZ color **49.4632, 71.0662, 102.3770** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.8723, 20.6850, 1.8933**, and the grayscale version is **38.7107, 40.7267, 44.3513**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.4092, 39.0579, 57.7241** is the 20% darker color. If you saturate the color by 10%, you get **49.4637, 71.0669, 102.3784**, and if you desaturate by 10%, it is **50.1097, 71.7572, 102.4776**.

Distribution



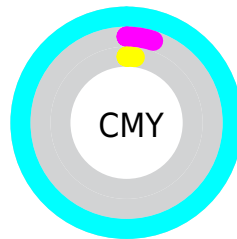
- Red (0%)
- Green (95%)
- Blue (98%)



- Red (0%)
- Yellow (48%)
- Blue (98%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4632, 71.0662, 102.3770 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 49.4632, 71.0662, 102.3770 by changing the saturation by 10% instead.

49.4632, 71.0662,
102.3770

49.4632, 71.0662,
102.3770

375.0498,
464.2848, 589.0986

35.2031, 52.3962,
77.6592

88.5756, 120.7280,
166.5002

23.9866, 37.3210,
57.2793

114.1586,
152.4886, 206.7427

15.4484, 25.4561,
40.8187

144.2467,
189.3815, 252.9972

9.2230, 16.4172,
27.8588

179.2051,
231.7911, 305.6823

4.9452, 9.8199,
17.9811

219.3993,
280.1019, 365.2164

2.2496, 5.2797,
10.7671

265.1946,

0.7687, 2.4123,

334.6982, 432.0181

5.7983

316.9563,
395.9643, 506.5060

■ 0.0000, 0.8322,
2.6560

■ 0.0000, 0.0000,
0.9212

■ 49.4632, 71.0662,
102.3770

■ 49.4632, 71.0662,
102.3770

■ 49.4637, 71.0669,
102.3784

■ 50.1097, 71.7572,
102.4776

■ 51.2745, 72.7155,
102.6012

■ 53.1187, 74.0255,
102.7569

■ 55.7390, 75.7372,
102.9492

■ 59.2167, 77.8925,
103.1819

■ 63.6226, 80.5278,
103.4583

■ 69.0204, 83.6760,
103.7815

■ 75.4680, 87.3670,
104.1541

■ 83.0189, 91.6284,
104.5786

Harmonies

Analogous

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



48.4259, 71.0662, 68.7582



49.4632, 71.0662, 102.3770



55.0581, 71.0662, 136.4086

Triad

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



49.4632, 71.0662, 102.3770



85.8490, 71.0662, 122.2480



70.7243, 71.0662, 31.0407

Complementary

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



49.4632, 71.0662, 102.3770



39.8723, 20.6850, 1.8933

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.



81.7930, 71.0662, 38.4390



49.4632, 71.0662, 102.3770



91.1344, 71.0662, 86.6918

Square

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



49.4632, 71.0662, 102.3770



75.7884, 71.0662, 149.9098



89.5735, 71.0662, 56.8225



59.9245, 71.0662, 33.0870

Rectangle

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



49.4632, 71.0662, 102.3770



60.9940, 71.0662, 151.7829



89.5735, 71.0662, 56.8225



74.5518, 71.0662, 32.4104

Sweetspot

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



49.4654, 71.0688, 102.3787



71.5121, 86.7183, 107.5770



34.5220, 69.0052, 11.6221



14.7740, 18.2525, 22.9944



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.



49.4654, 71.0688, 102.3787



51.2716, 73.6631, 106.1239



24.2946, 20.7273, 93.9885



17.7156, 19.5080, 22.2170



26.0214, 37.3983, 53.8207



2.4245, 3.4927, 4.9895

Inverse Universe

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



55.9633, 26.9825, 87.0552



58.0087, 27.9675, 90.2329



47.7302, 36.4008, 4.5126



17.9677, 17.5145, 21.6859



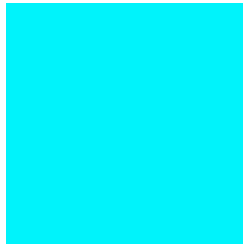
29.4264, 14.1863, 45.8154



2.7327, 1.3168, 4.2818

Previews

White Background



This preview shows how the XYZ color 49.4632, 71.0662, 102.3770 looks on a white background.

Color Contrast Check

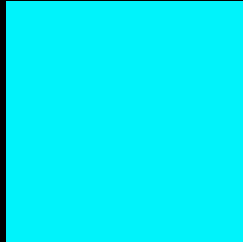
Large Text (above 18pt) WCAG AA × Fail

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 49.4632, 71.0662, 102.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

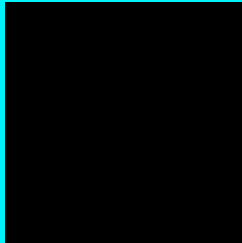
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4632, 71.0662, 102.3770

Background



This preview shows how black text looks on a background with the XYZ color 49.4632, 71.0662, 102.3770.

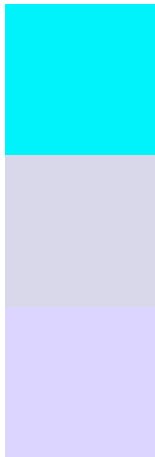


This preview shows how white text looks on a background with the XYZ color 49.4632, 71.0662,

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

49.4632, 71.0662, 102.3770

Protanopia

67.7261, 69.6512, 87.7164

Deuteranopia

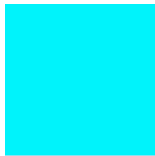
71.0577, 69.8686, 104.3486



Tritanopia

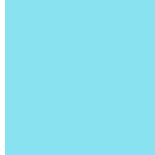
53.5543, 70.9105, 105.4722

Trichromacy



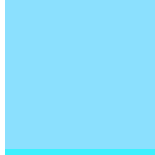
Original Color

49.4632, 71.0662, 102.3770



Protanomaly

53.2411, 66.0023, 92.3717



Deuteranomaly

55.1925, 65.9560, 103.5878



Tritanomaly

51.0361, 70.5001, 104.6839

Monochromacy



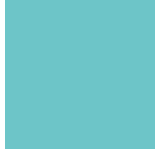
Original Color

49.4632, 71.0662, 102.3770



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.6983, 47.3538, 61.8496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4632, 71.0662, 102.3770 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(0, 243, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 251)  
}
```

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(0, 243, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 251) }
```

Border

The CSS property to change the border of an element to XYZ 49.4632, 71.0662, 102.3770 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(0, 243, 251) }
```


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

```
.border{ border-color:rgb(0, 243, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4632, 71.0662, 102.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 251) }
```

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

```
.background{ background-color: rgb(0, 243,  
251) }
```

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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