

Converting Colors

XYZ(48.9818, 70.2855,
101.3478)

Have a look what the booklet for
XYZ(48.9818, 70.2855, 101.3478)
contains.

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Color

**XYZ(49.0700, 70.4387,
101.4522)**

Conversions

Conversions Part 1

Format	Color
Hex	05F2FA
RGB	5, 242, 250
RGB Percent	2%, 95%, 98%
CMY	0.9801, 0.0510, 0.0196
CMYK	0.98, 0.03, 0.00, 0.02
HSL	182°, 96%, 50%
HSV	182°, 98%, 98%
XYZ	49.0700, 70.4387, 101.4522
YIQ	172.0490, -143.8200, -47.7560

Conversions

Conversions Part 2

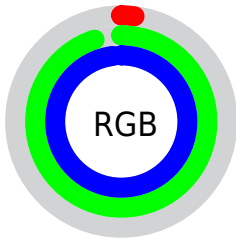
Format	Color
RYB	5, 125, 250
Decimal	389882
CIELab	87.21, -43.77, -17.39
CIELCh	87, 47.097, 201.671
Yxy	70.4387, 0.2221, 0.3188
Android (android.graphics.Color)	4278579962 (0xFF05F2FA)
YUV	172.0490, 38.4298, -146.5020
Hunter-Lab	83.9278, -42.5101, -12.9205

Details

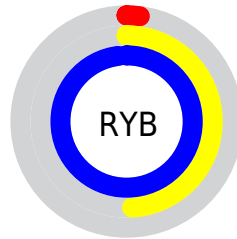
The XYZ color **49.0700, 70.4387, 101.4522** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5974, 20.6249, 2.0395**, and the grayscale version is **39.1123, 41.1492, 44.8115**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.0866, 38.5930, 57.0605** is the 20% darker color. If you saturate the color by 10%, you get **48.9595, 70.3101, 101.4345**, and if you desaturate by 10%, it is **49.7897, 71.1727, 101.5573**.

Distribution



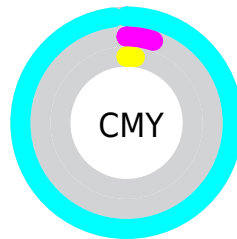
- Red (2%)
- Green (95%)
- Blue (98%)



- Red (2%)
- Yellow (49%)
- Blue (98%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (98%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0700, 70.4387, 101.4522 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 49.0700, 70.4387, 101.4522 by changing the saturation by 10% instead.

49.0700, 70.4387,
101.4522

49.0700, 70.4387,
101.4522

373.5302,
462.0889, 586.1250

34.8898, 51.8843,
76.8903

87.9955, 119.8342,
165.2207

23.7441, 36.9128,
56.6518

113.4715,
151.4440, 205.2643

15.2676, 25.1400,
40.3182

143.4435,
188.1744, 251.3055

9.0950, 16.1814,
27.4711

178.2767,
230.4097, 303.7629

4.8608, 9.6526,
17.6918

218.3367,
278.5345, 363.0550

2.1997, 5.1692,
10.5618

263.9887,

0.7426, 2.3469,

332.9330, 429.6003

5.6626

315.5981,
393.9896, 503.8175

■ 0.0000, 0.7984,
2.5755

■ 0.0000, 0.0000,
0.8798

■ 49.0700, 70.4387,
101.4522

■ 49.0700, 70.4387,
101.4522

■ 48.9595, 70.3101,
101.4345

■ 49.7897, 71.1727,
101.5573

■ 51.0761, 72.1990,
101.6876

■ 53.0566, 73.5847,
101.8506

■ 55.8231, 75.3773,
102.0508

■ 59.4536, 77.6169,
102.2918

■ 64.0169, 80.3389,
102.5767

■ 69.5746, 83.5752,
102.9084

■ 76.1832, 87.3549,
103.2897

■ 83.8949, 91.7049,
103.7228

Harmonies

Analogous

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



48.0380, 70.4387, 68.2082



49.0700, 70.4387, 101.4522



54.6098, 70.4387, 135.0704

Triad

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



49.0700, 70.4387, 101.4522



85.0534, 70.4387, 121.0001



70.0775, 70.4387, 30.8437

Complementary

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



49.0700, 70.4387, 101.4522



39.5974, 20.6249, 2.0395

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.



81.0215, 70.4387, 38.1571



49.0700, 70.4387, 101.4522



90.2693, 70.4387, 85.8597

Square

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



49.0700, 70.4387, 101.4522



75.1127, 70.4387, 148.3478



88.7179, 70.4387, 56.3348



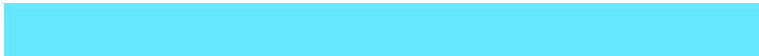
59.4010, 70.4387, 32.8821

Rectangle

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



49.0700, 70.4387, 101.4522



60.4833, 70.4387, 150.2412



88.7179, 70.4387, 56.3348



73.8617, 70.4387, 32.1963

Sweetspot

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



49.0722, 70.4413, 101.4539



72.1123, 87.0388, 107.6072



34.2996, 68.4249, 11.6623



14.8860, 18.3114, 22.9998



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.



49.0722, 70.4413, 101.4539



51.2109, 73.5419, 106.1036



24.4582, 21.2133, 93.2492



17.7144, 19.5056, 22.2166



25.9912, 37.3379, 53.8106



2.4221, 3.4878, 4.9887

Inverse Universe

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



55.5074, 26.8453, 86.2633



57.9781, 27.9552, 90.0717



47.6520, 36.7341, 4.7244



17.9671, 17.5142, 21.6826



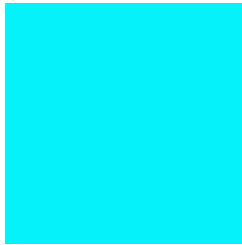
29.4112, 14.1802, 45.7351



2.7315, 1.3163, 4.2753

Previews

White Background



This preview shows how the XYZ color 49.0700, 70.4387, 101.4522 looks on a white background.

Color Contrast Check

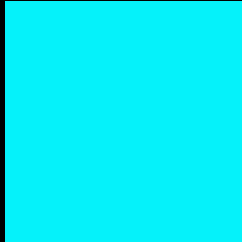
Large Text (above 18pt) WCAG AA × Fail

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 49.0700, 70.4387, 101.4522 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 49.0700, 70.4387, 101.4522

Background



This preview shows how black text looks on a background with the XYZ color 49.0700, 70.4387, 101.4522.

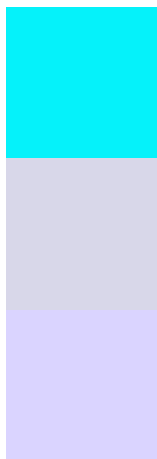


This preview shows how white text looks on a background with the XYZ color 49.0700, 70.4387,

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

49.0700, 70.4387, 101.4522

Protanopia

67.3273, 69.0830, 86.8766

Deuteranopia

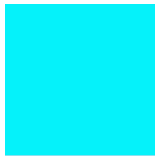
70.5069, 69.2124, 104.2510



Tritanopia

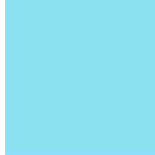
52.7444, 70.4929, 105.4343

Trichromacy



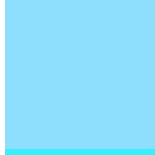
Original Color

49.0700, 70.4387, 101.4522



Protanomaly

53.1527, 65.5714, 91.5165



Deuteranomaly

55.1018, 65.5299, 102.6729



Tritanomaly

50.3410, 69.7244, 103.7334

Monochromacy



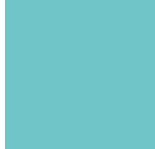
Original Color

49.0700, 70.4387, 101.4522



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.9471, 47.4821, 61.8612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0700, 70.4387, 101.4522 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(5, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(5, 242, 250)  
}
```

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(5, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 242, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.0700, 70.4387, 101.4522 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(5, 242, 250) }
```


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

```
.border{ border-color:rgb(5, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(5, 242,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0700, 70.4387, 101.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 242, 250) }
```

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

```
.background{ background-color: rgb(5, 242,  
250) }
```

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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