

Converting Colors

XYZ(51.3862, 75.1890,
102.1649)

Have a look what the booklet for
XYZ(51.3862, 75.1890, 102.1649)
contains.

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Color

**XYZ(51.4409, 75.2733,
102.2605)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAFA
RGB	0, 250, 250
RGB Percent	0%, 98%, 98%
CMY	0.9997, 0.0196, 0.0196
CMYK	1.00, 0.00, 0.00, 0.02
HSL	180°, 100%, 49%
HSV	180°, 100%, 98%
XYZ	51.4409, 75.2733, 102.2605
YIQ	175.2500, -149.0000, -53.0000

Conversions

Conversions Part 2

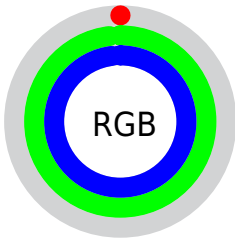
Format	Color
RYB	0, 125, 250
Decimal	64250
CIELab	89.52, -47.36, -13.93
CIELCh	90, 49.369, 196.386
Yxy	75.2733, 0.2247, 0.3287
Android (android.graphics.Color)	4278254330 (0xFF00FAFA)
YUV	175.2500, 36.8518, -153.6943
Hunter-Lab	86.7602, -45.9961, -9.1504

Details

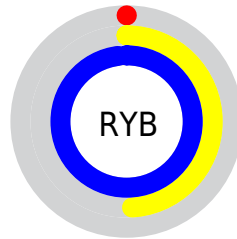
The XYZ color **51.4409, 75.2733, 102.2605** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.4268, 20.3264, 1.8475**, and the grayscale version is **40.7593, 42.8820, 46.6985**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.8076, 42.0350, 57.6342** is the 20% darker color. If you saturate the color by 10%, you get **51.4423, 75.2756, 102.2623**, and if you desaturate by 10%, it is **51.8450, 75.4832, 102.2813**.

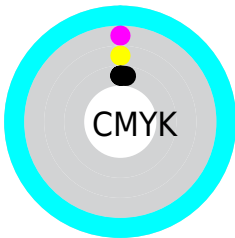
Distribution



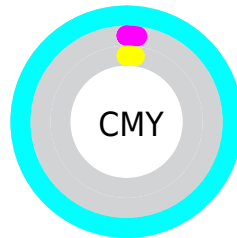
- Red (0%)
- Green (98%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (98%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4409, 75.2733, 102.2605 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 51.4409, 75.2733, 102.2605 by changing the saturation by 10% instead.

 51.4409, 75.2733,
102.2605


 51.4409, 75.2733,
102.2605


382.6339,
478.8564, 588.7244

 36.7821, 55.8368,
77.5623


 91.4853, 126.6992,
166.3391


 25.2117, 40.0721,
57.2002


 117.6016,
159.4573, 206.5566

 16.3644, 27.5948,
40.7556


 148.2677,
197.4248, 252.7842

 9.8749, 18.0204,
27.8099

 183.8491,
240.9861, 305.4407

 5.3777, 10.9646,
17.9446

224.7110,
290.5255, 364.9443

 2.5076, 6.0431,
10.7412

271.2189,

 0.8991, 2.8713,

346.4274, 431.7138

5.7811

323.7380,
409.0762, 506.1677

■ 0.0000, 1.0649,
2.6458

■ 0.0000, 0.0000,
0.9160

■ 51.4409, 75.2733,
102.2605

■ 51.4409, 75.2733,
102.2605

■ 51.4423, 75.2756,
102.2623

■ 51.8450, 75.4832,
102.2813

■ 52.7613, 75.9556,
102.3243

■ 54.3497, 76.7745,
102.3988

■ 56.7060, 77.9892,
102.5092

■ 59.9106, 79.6412,
102.6593

■ 64.0337, 81.7667,
102.8524

■ 69.1383, 84.3983,
103.0914

■ 75.2819, 87.5653,
103.3791

■ 82.5172, 91.2953,
103.7179

Harmonies

Analogous

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



51.2071, 75.2733, 67.2371



51.4409, 75.2733, 102.2605



56.6480, 75.2733, 140.3786

Triad

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



51.4409, 75.2733, 102.2605



89.7726, 75.2733, 137.1357



77.1698, 75.2733, 32.7119

Complementary

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



51.4409, 75.2733, 102.2605



39.4268, 20.3264, 1.8475

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.



88.8484, 75.2733, 42.5222



51.4409, 75.2733, 102.2605



96.6602, 75.2733, 98.6886

Square

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



51.4409, 75.2733, 102.2605



78.3208, 75.2733, 164.0813



96.3041, 75.2733, 64.5411



65.1718, 75.2733, 33.1670

Rectangle

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



51.4409, 75.2733, 102.2605



62.6128, 75.2733, 159.5543



96.3041, 75.2733, 64.5411



81.2887, 75.2733, 34.7658

Sweetspot

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



51.4432, 75.2761, 102.2623



72.2850, 88.2642, 107.8342



34.2401, 68.4009, 11.4001



14.9625, 18.6295, 23.0571



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.



51.4432, 75.2761, 102.2623



53.8097, 78.7399, 106.9685



25.1338, 22.6569, 93.4939



17.7659, 19.6086, 22.2337



27.2858, 39.9273, 54.2414



2.5271, 3.6980, 5.0237

Inverse Universe

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



39.4268, 20.3264, 1.8475



41.2400, 21.2600, 1.9301



46.2478, 33.9685, 4.1211



17.2447, 17.2252, 17.8783



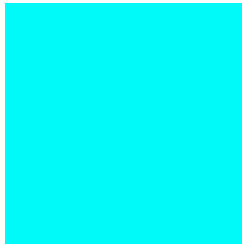
20.9119, 10.7805, 0.9787



1.9368, 0.9985, 0.0907

Previews

White Background



This preview shows how the XYZ color 51.4409, 75.2733, 102.2605 looks on a white background.

Color Contrast Check

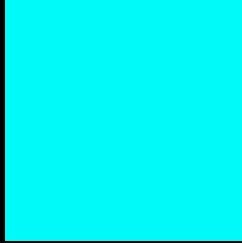
Large Text (above 18pt) WCAG AA × Fail

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 51.4409, 75.2733, 102.2605 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 51.4409, 75.2733, 102.2605

Background



This preview shows how black text looks on a background with the XYZ color 51.4409, 75.2733, 102.2605.

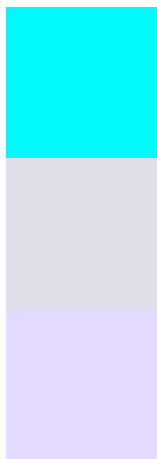


This preview shows how white text looks on a background with the XYZ color 51.4409, 75.2733,

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

51.4409, 75.2733, 102.2605

Protanopia

71.5697, 73.9730, 87.5969

Deuteranopia

75.1163, 73.8568, 104.9045



Tritanopia

58.8830, 74.5267, 105.8894

Trichromacy



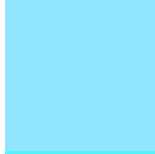
Original Color

51.4409, 75.2733, 102.2605



Protanomaly

55.7643, 69.7849, 92.1921



Deuteranomaly

57.7035, 69.7052, 103.3417



Tritanomaly

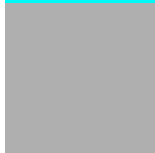
53.8266, 73.7245, 104.3218

Monochromacy



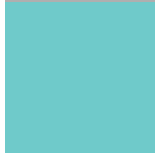
Original Color

51.4409, 75.2733, 102.2605



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.3367, 49.8848, 63.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4409, 75.2733, 102.2605 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, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 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(0, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 250) }
```

Border

The CSS property to change the border of an element to XYZ 51.4409, 75.2733, 102.2605 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, 250, 250) }
```


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

```
.border{ border-color:rgb(0, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4409, 75.2733, 102.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 250) }
```

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

```
.background{ background-color: rgb(0, 250,  
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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