

Converting Colors

XYZ(47.3514, 76.1565, 72.9593)

Have a look what the booklet for
XYZ(47.3514, 76.1565, 72.9593)
contains.

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Color

**XYZ(47.3929, 76.1731,
73.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFD2
RGB	0, 255, 210
RGB Percent	0%, 100%, 82%
CMY	0.9998, 0.0000, 0.1765
CMYK	1.00, 0.00, 0.18, 0.00
HSL	169°, 100%, 50%
HSV	169°, 100%, 100%
XYZ	47.3929, 76.1731, 73.1778
YIQ	173.6250, -137.5350, -68.0550

Conversions

Conversions Part 2

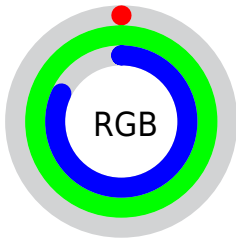
Format	Color
RYB	0, 140, 255
Decimal	65490
CIELab	89.94, -60.15, 7.47
CIELCh	90, 60.612, 172.923
Yxy	76.1731, 0.2409, 0.3872
Android (android.graphics.Color)	4278255570 (0xFF00FFD2)
YUV	173.6250, 17.9329, -152.2691
Hunter-Lab	87.2772, -55.8068, 11.3822

Details

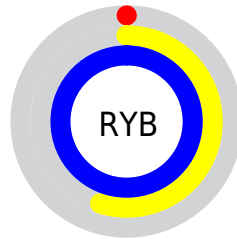
The XYZ color **47.3929, 76.1731, 73.1778** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.7153, 21.4511, 4.4299**, and the grayscale version is **40.0096, 42.0932, 45.8395**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.9670, 42.3328, 38.2549** is the 20% darker color. If you saturate the color by 10%, you get **47.3919, 76.1728, 73.1727**, and if you desaturate by 10%, it is **48.3767, 76.6146, 76.1939**.

Distribution



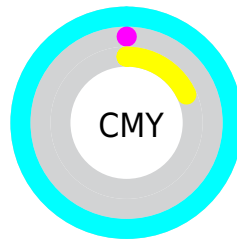
- Red (0%)
- Green (100%)
- Blue (82%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3929, 76.1731, 73.1778 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 47.3929, 76.1731, 73.1778 by changing the saturation by 10% instead.


 47.3929, 76.1731,
73.1778


 47.3929, 76.1731,
73.1778

367.0034,
481.9400, 490.7181


 33.5556, 56.5745,
53.6287


 85.5150, 127.9716,
125.4528


 22.7137, 40.6637,
37.9137


 110.5305,
160.9402, 159.0158

 14.5018, 28.0564,
25.6144


 140.0028,
199.1342, 198.0872

 8.5545, 18.3682,
16.3122

 174.2972,
242.9381, 243.0854

 4.5065, 11.2146,
9.5886

 213.7791,
292.7363, 294.4291

 1.9925, 6.2114,
5.0250

258.8139,

 0.6297, 2.9740,

348.9130, 352.5367

2.2030

309.7669,
411.8528, 417.8269

■ 0.0000, 1.1182,
0.6761

■ 0.0000, 0.0000,
0.0000

■ 47.3929, 76.1731,
73.1778

■ 47.3929, 76.1731,
73.1778

■ 47.3919, 76.1728,
73.1727

■ 48.3767, 76.6146,
76.1939

■ 49.9147, 77.3399,
79.3177

■ 52.1722, 78.4343,
82.5587

■ 55.2501, 79.9498,
85.9224

■ 59.2329, 81.9298,
89.4134

■ 64.1944, 84.4125,
93.0358

■ 70.2010, 87.4321,
96.7932

■ 77.3129, 91.0196,
100.6892

■ 85.5860, 95.2037,
104.7268

Harmonies

Analogous

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



51.7485, 76.1731, 42.4557



47.3929, 76.1731, 73.1778



48.9608, 76.1731, 119.4355

Triad

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



47.3929, 76.1731, 73.1778



84.2202, 76.1731, 184.5965



91.2094, 76.1731, 32.9660

Complementary

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



47.3929, 76.1731, 73.1778



41.7153, 21.4511, 4.4299

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.



102.3321, 76.1731, 54.7571



47.3929, 76.1731, 73.1778



97.9237, 76.1731, 143.3407

Square

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



47.3929, 76.1731, 73.1778



68.9063, 76.1731, 194.8232



104.9450, 76.1731, 93.5330



76.0104, 76.1731, 25.0223

Rectangle

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



47.3929, 76.1731, 73.1778



53.2744, 76.1731, 152.8343



104.9450, 76.1731, 93.5330



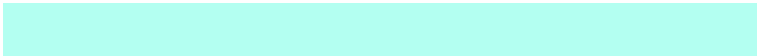
95.6300, 76.1731, 38.4595

Sweetspot

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



47.3938, 76.1736, 73.1792



70.1867, 87.4249, 96.7848



36.9232, 72.1196, 11.9760



14.4529, 18.4257, 20.3733



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.



47.3938, 76.1736, 73.1792



47.3919, 76.1728, 73.1727



33.2385, 37.5960, 100.1126



18.4092, 20.4232, 22.4576



24.8135, 39.8220, 38.4986



2.4504, 3.8911, 3.9298

Inverse Universe

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



41.7153, 21.4511, 4.4299



41.7138, 21.4495, 4.4250



44.1670, 27.1135, 2.9072



18.1402, 18.0394, 19.3556



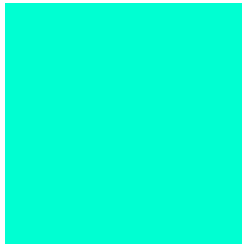
21.8340, 11.2229, 2.5104



2.1600, 1.1064, 0.4240

Previews

White Background



This preview shows how the XYZ color 47.3929, 76.1731, 73.1778 looks on a white background.

Color Contrast Check

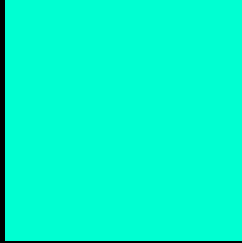
Large Text (above 18pt) WCAG AA × Fail

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 47.3929, 76.1731, 73.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

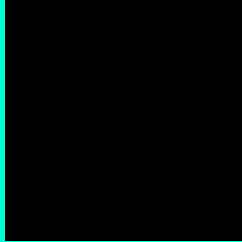
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

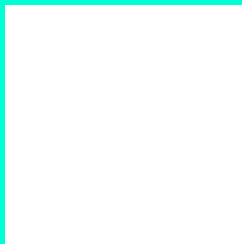
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3929, 76.1731, 73.1778

Background



This preview shows how black text looks on a background with the XYZ color 47.3929, 76.1731, 73.1778.

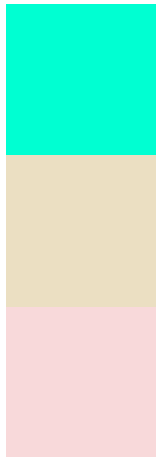


This preview shows how white text looks on a background with the XYZ color 47.3929, 76.1731, 73.1778.

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

47.3929, 76.1731, 73.1778

Protanopia

70.3862, 74.3326, 61.6768

Deuteranopia

76.1791, 74.6441, 76.7223



Tritanopia

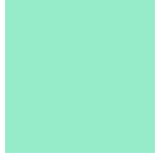
60.3654, 75.2910, 105.9588

Trichromacy



Original Color

47.3929, 76.1731, 73.1778



Protanomaly

52.7113, 70.0708, 65.3904



Deuteranomaly

54.9422, 69.3272, 74.7757



Tritanomaly

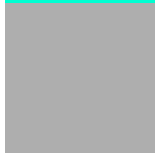
52.4488, 73.7105, 93.1246

Monochromacy



Original Color

47.3929, 76.1731, 73.1778



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.8811, 49.6792, 54.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3929, 76.1731, 73.1778 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, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 210)  
}
```

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, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 47.3929, 76.1731, 73.1778 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, 255, 210) }
```


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

```
.border{ border-color:rgb(0, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3929, 76.1731, 73.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 210) }
```

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

```
.background{ background-color: rgb(0, 255,  
210) }
```

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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