

Converting Colors

XYZ(58.5416, 100.0000,
75.4547)

Have a look what the booklet for
XYZ(58.5416, 100.0000, 75.4547)
contains.

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Color

**XYZ(47.0225, 76.0250,
71.2274)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFCF
RGB	0, 255, 207
RGB Percent	0%, 100%, 81%
CMY	0.9998, 0.0000, 0.1882
CMYK	1.00, 0.00, 0.19, 0.00
HSL	169°, 100%, 50%
HSV	169°, 100%, 100%
XYZ	47.0225, 76.0250, 71.2274
YIQ	173.2830, -136.5720, -68.9880

Conversions

Conversions Part 2

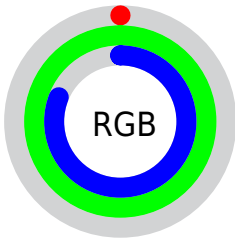
Format	Color
RYB	0, 141, 255
Decimal	65487
CIELab	89.87, -60.89, 8.92
CIELCh	90, 61.539, 171.667
Yxy	76.0250, 0.2420, 0.3913
Android (android.graphics.Color)	4278255567 (0xFF00FFCF)
YUV	173.2830, 16.6225, -151.9692
Hunter-Lab	87.1923, -56.3222, 12.6006

Details

The XYZ color **47.0225, 76.0250, 71.2274** 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 **41.7750, 21.4749, 4.7447**, and the grayscale version is **39.8399, 41.9147, 45.6451**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.7160, 42.2324, 36.9333** is the 20% darker color. If you saturate the color by 10%, you get **47.0216, 76.0246, 71.2227**, and if you desaturate by 10%, it is **48.0334, 76.4772, 74.3869**.

Distribution



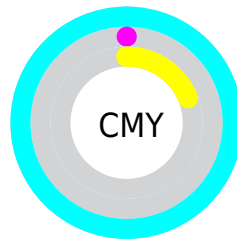
- Red (0%)
- Green (100%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0225, 76.0250, 71.2274 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 47.0225, 76.0250, 71.2274 by changing the saturation by 10% instead.


 47.0225, 76.0250,
71.2274


 47.0225, 76.0250,
71.2274


365.5517,
481.4333, 483.7530


 33.2615, 56.4530,
52.0448


 84.9657, 127.7622,
122.6549


 22.4870, 40.5662,
36.6583


 109.8787,
160.6963, 155.7370


 14.3338, 27.9803,
24.6493


 139.2396,
198.8531, 194.2892

 8.4364, 18.3108,
15.5994

 173.4139,
242.6172, 238.7303

 4.4296, 11.1734,
9.0898

 212.7669,
292.3728, 289.4787

 1.9479, 6.1836,
4.7022


257.6640,

 0.6045, 2.9570,


348.5045, 346.9529

2.0180


308.4705,
411.3965, 411.5715


 0.0000, 1.1093,
0.5663


 0.0000, 0.0000,
0.0000


 47.0225, 76.0250,
71.2274

 47.0225, 76.0250,
71.2274

 47.0216, 76.0246,
71.2227

 48.0334, 76.4772,
74.3869

 49.6006, 77.2142,
77.6652

 51.8894, 78.3211,
81.0720

 55.0007, 79.8499,
84.6128

■ 59.0191, 81.8442,
88.2924

■ 64.0184, 84.3420,
92.1150

■ 70.0650, 87.3775,
96.0845

■ 77.2192, 90.9819,
100.2044

■ 85.5368, 95.1838,
104.4781

Harmonies

Analogous

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



51.6685, 76.0250, 40.9521



47.0225, 76.0250, 71.2274



48.3541, 76.0250, 117.6961

Triad

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



47.0225, 76.0250, 71.2274



83.5989, 76.0250, 187.5097



91.9500, 76.0250, 32.9418

Complementary

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



47.0225, 76.0250, 71.2274



41.7750, 21.4749, 4.7447

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.



102.9746, 76.0250, 55.5555



47.0225, 76.0250, 71.2274



97.7018, 76.0250, 146.3210

Square

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



47.0225, 76.0250, 71.2274



68.1049, 76.0250, 196.3220



105.2153, 76.0250, 95.5150



76.5797, 76.0250, 24.5002

Rectangle

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



47.0225, 76.0250, 71.2274



52.5474, 76.0250, 151.8428



105.2153, 76.0250, 95.5150



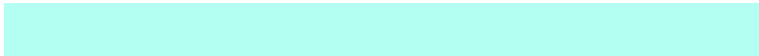
96.3714, 76.0250, 38.6626

Sweetspot

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



47.0234, 76.0254, 71.2288



70.0522, 87.3711, 96.0766



37.1275, 72.2249, 11.9854



14.4204, 18.4127, 20.2023



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.



47.0234, 76.0254, 71.2288



47.0216, 76.0246, 71.2227



34.0736, 39.2664, 100.3910



18.3995, 20.4194, 22.4070



24.6223, 39.7455, 37.4921



2.4335, 3.8843, 3.8406

Inverse Universe

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



41.7750, 21.4749, 4.7447



41.7737, 21.4735, 4.7402



43.8617, 26.5030, 2.8052



18.1491, 18.0429, 19.4021



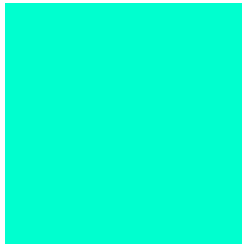
21.8673, 11.2362, 2.6858



2.1645, 1.1082, 0.4477

Previews

White Background



This preview shows how the XYZ color 47.0225, 76.0250, 71.2274 looks on a white background.

Color Contrast Check

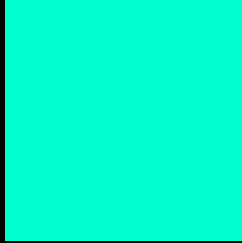
Large Text (above 18pt) WCAG AA × Fail

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 47.0225, 76.0250, 71.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

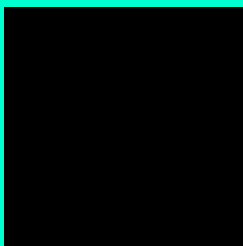
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

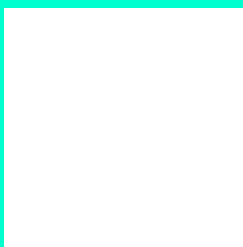
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0225, 76.0250, 71.2274

Background



This preview shows how black text looks on a background with the XYZ color 47.0225, 76.0250, 71.2274.

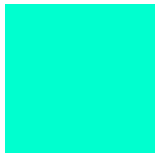


This preview shows how white text looks on a background with the XYZ color 47.0225, 76.0250, 71.2274.

Color Blindness Simulation

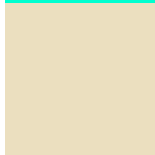
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



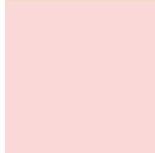
Original Color

47.0225, 76.0250, 71.2274



Protanopia

70.0526, 74.1991, 59.9199



Deuteranopia

75.8885, 74.1578, 74.6041



Tritanopia

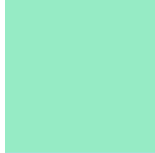
60.1946, 75.2029, 105.9508

Trichromacy



Original Color

47.0225, 76.0250, 71.2274



Protanomaly

52.3641, 69.9319, 63.5617



Deuteranomaly

54.2810, 68.6162, 72.6707



Tritanomaly

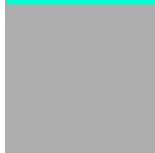
52.3015, 73.6515, 92.3485

Monochromacy



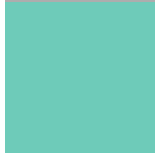
Original Color

47.0225, 76.0250, 71.2274



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.5433, 49.5297, 53.5331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0225, 76.0250, 71.2274 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.0225, 76.0250, 71.2274 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, 207) }
```


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

```
.border{ border-color:rgb(0, 255, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0225, 76.0250, 71.2274 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, 207) }
```

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

```
.background{ background-color: rgb(0, 255,  
207) }
```

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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