

Converting Colors

XYZ(28.3708, 65.9310, 73.5513)

Have a look what the booklet for
XYZ(28.3708, 65.9310, 73.5513)
contains.

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Color

**XYZ(47.3255, 75.6371,
74.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	00FED4
RGB	0, 254, 212
RGB Percent	0%, 100%, 83%
CMY	0.9998, 0.0039, 0.1686
CMYK	1.00, 0.00, 0.17, 0.00
HSL	170°, 100%, 50%
HSV	170°, 100%, 100%
XYZ	47.3255, 75.6371, 74.3925
YIQ	173.2660, -137.9020, -66.9100

Conversions

Conversions Part 2

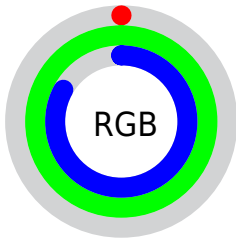
Format	Color
RYB	0, 138, 254
Decimal	65236
CIELab	89.69, -59.26, 6.07
CIELCh	90, 59.575, 174.149
Yxy	75.6371, 0.2398, 0.3833
Android (android.graphics.Color)	4278255316 (0xFF00FED4)
YUV	173.2660, 19.0959, -151.9543
Hunter-Lab	86.9696, -55.0640, 10.1629

Details

The XYZ color **47.3255, 75.6371, 74.3925** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.2939, 21.2402, 4.1188**, and the grayscale version is **39.8210, 41.8948, 45.6234**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.8257, 41.9142, 38.6274** is the 20% darker color. If you saturate the color by 10%, you get **47.3259, 75.6392, 74.3886**, and if you desaturate by 10%, it is **48.2761, 76.0670, 77.2415**.

Distribution



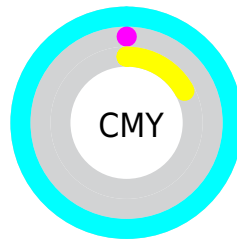
- Red (0%)
- Green (100%)
- Blue (83%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3255, 75.6371, 74.3925 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 47.3255, 75.6371, 74.3925 by changing the saturation by 10% instead.


 47.3255, 75.6371,
74.3925


 47.3255, 75.6371,
74.3925


366.7395,
480.1045, 495.0265

 33.5021, 56.1350,
54.6166


 85.4151, 127.2138,
127.1912


 22.6724, 40.3112,
38.6983


 110.4119,
160.0572, 161.0511


 14.4712, 27.7812,
26.2191


 139.8640,
198.1164, 200.4428

 8.5330, 18.1608,
16.7604

 174.1366,
241.7759, 245.7848

 4.4925, 11.0655,
9.9037

 213.5951,
291.4201, 297.4956

 1.9844, 6.1109,
5.2304

258.6048,

 0.6252, 2.9126,

347.4333, 355.9938

2.3220

309.5312,
410.2000, 421.6979

■ 0.0000, 1.0863,
0.7435

■ 0.0000, 0.0000,
0.0000

■ 47.3255, 75.6371,
74.3925

■ 47.3255, 75.6371,
74.3925

■ 47.3259, 75.6392,
74.3886

■ 48.2761, 76.0670,
77.2415

■ 49.7727, 76.7748,
80.1869

■ 51.9805, 77.8477,
83.2386

■ 54.9991, 79.3370,
86.4018

■ 58.9124, 81.2858,
89.6810

■ 63.7936, 83.7320,
93.0800

■ 69.7081, 86.7092,
96.6026

■ 76.7159, 90.2483,
100.2519

■ 84.8719, 94.3777,
104.0310

Harmonies

Analogous

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



51.3679, 75.6371, 43.5281



47.3255, 75.6371, 74.3925



49.1039, 75.6371, 120.0176

Triad

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



47.3255, 75.6371, 74.3925



84.0574, 75.6371, 180.2354



89.7069, 75.6371, 32.7021

Complementary

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



47.3255, 75.6371, 74.3925



41.2939, 21.2402, 4.1188

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.



100.8197, 75.6371, 53.5337



47.3255, 75.6371, 74.3925



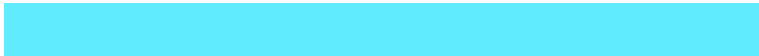
97.2599, 75.6371, 139.3007

Square

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



47.3255, 75.6371, 74.3925



69.0536, 75.6371, 191.6750



103.7560, 75.6371, 90.8683



74.8047, 75.6371, 25.3028

Rectangle

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



47.3255, 75.6371, 74.3925



53.4930, 75.6371, 152.4005



103.7560, 75.6371, 90.8683



94.0865, 75.6371, 37.9341

Sweetspot

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



47.3276, 75.6400, 74.3943



70.3143, 87.4759, 97.4569



36.4137, 71.3864, 11.8612



14.4837, 18.4380, 20.5357



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

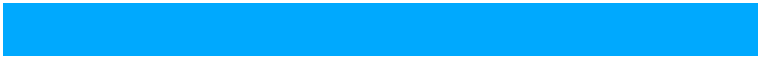
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.3276, 75.6400, 74.3943



47.7480, 76.3152, 75.0480



32.1444, 35.6638, 98.9588



18.4182, 20.4268, 22.5054



24.9972, 39.8955, 39.4662



2.4667, 3.8976, 4.0154

Inverse Universe

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



41.2939, 21.2402, 4.1188



41.6611, 21.4284, 4.1473



44.0999, 27.5219, 2.9894



18.1319, 18.0361, 19.3118



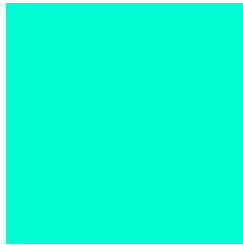
21.8045, 11.2111, 2.3551



2.1559, 1.1047, 0.4025

Previews

White Background



This preview shows how the XYZ color 47.3255, 75.6371, 74.3925 looks on a white background.

Color Contrast Check

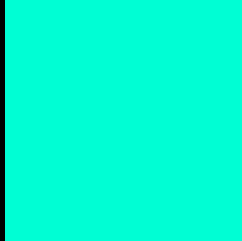
Large Text (above 18pt) WCAG AA × Fail

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 47.3255, 75.6371, 74.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

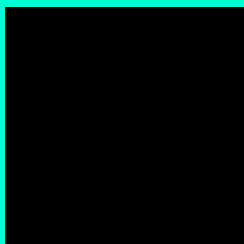
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3255, 75.6371, 74.3925

Background



This preview shows how black text looks on a background with the XYZ color 47.3255, 75.6371, 74.3925.

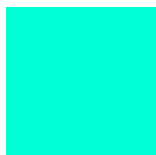


This preview shows how white text looks on a background with the XYZ color 47.3255, 75.6371,

Color Blindness Simulation

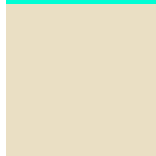
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



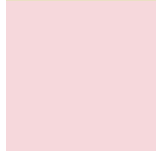
Original Color

47.3255, 75.6371, 74.3925



Protanopia

70.2832, 74.2533, 62.8526



Deuteranopia

75.4802, 73.8719, 77.9906



Tritanopia

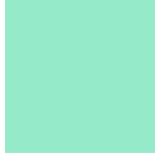
59.6913, 74.9434, 105.9272

Trichromacy



Original Color

47.3255, 75.6371, 74.3925



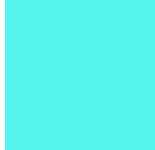
Protanomaly

52.4779, 69.4995, 66.5260



Deuteranomaly

54.7258, 68.7715, 76.0355



Tritanomaly

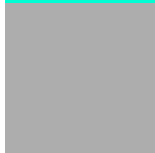
52.2569, 73.6115, 93.1156

Monochromacy



Original Color

47.3255, 75.6371, 74.3925



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.5206, 49.1439, 54.5746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3255, 75.6371, 74.3925 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, 254, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 212)  
}
```

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, 254, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.3255, 75.6371, 74.3925 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, 254, 212) }
```


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

```
.border{ border-color:rgb(0, 254, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3255, 75.6371, 74.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 212) }
```

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

```
.background{ background-color: rgb(0, 254,  
212) }
```

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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