

Converting Colors

XYZ(33.0383, 72.5311, 67.3945)

Have a look what the booklet for
XYZ(33.0383, 72.5311, 67.3945)
contains.

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Color

**XYZ(46.3026, 75.7370,
67.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFC9
RGB	0, 255, 201
RGB Percent	0%, 100%, 79%
CMY	0.9998, 0.0000, 0.2118
CMYK	1.00, 0.00, 0.21, 0.00
HSL	167°, 100%, 50%
HSV	167°, 100%, 100%
XYZ	46.3026, 75.7370, 67.4367
YIQ	172.5990, -134.6460, -70.8540

Conversions

Conversions Part 2

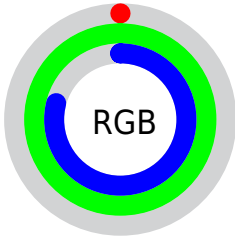
Format	Color
RYB	0, 143, 255
Decimal	65481
CIELab	89.74, -62.34, 11.82
CIELCh	90, 63.453, 169.260
Yxy	75.7370, 0.2444, 0.3997
Android (android.graphics.Color)	4278255561 (0xFF00FFC9)
YUV	172.5990, 14.0017, -151.3693
Hunter-Lab	87.0270, -57.3266, 14.9754

Details

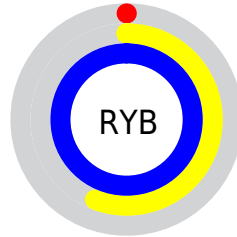
The XYZ color **46.3026, 75.7370, 67.4367** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.9073, 21.5277, 5.4417**, and the grayscale version is **39.5030, 41.5602, 45.2591**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.2327, 42.0391, 34.3882** is the 20% darker color. If you saturate the color by 10%, you get **46.3018, 75.7367, 67.4322**, and if you desaturate by 10%, it is **47.3641, 76.2095, 70.8631**.

Distribution



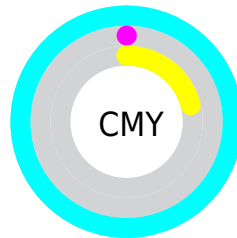
- Red (0%)
- Green (100%)
- Blue (79%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3026, 75.7370, 67.4367 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 46.3026, 75.7370, 67.4367 by changing the saturation by 10% instead.


 46.3026, 75.7370,
67.4367

 46.3026, 75.7370,
67.4367


362.7194,
480.4469, 470.0414


 32.6903, 56.2169,
48.9758


 83.8968, 127.3551,
117.1925


 22.0474, 40.3768,
34.2348


 108.6094,
160.2218, 149.3245


 14.0085, 27.8325,
22.7952


 137.7528,
198.3062, 186.8506

 8.2083, 18.1994,
14.2385

 171.6924,
241.9927, 230.1893

 4.2815, 11.0933,
8.1461

 210.7935,
291.6656, 279.7592

 1.8626, 6.1296,
4.0995

255.4214,

 0.5549, 2.9240,

347.7093, 335.9788

1.6801

305.9416,
410.5083, 399.2667

■ 0.0000, 1.0922,
0.3470

■ 0.0000, 0.0000,
0.0000

■ 46.3026, 75.7370,
67.4367

■ 46.3026, 75.7370,
67.4367

■ 46.3018, 75.7367,
67.4322

■ 47.3641, 76.2095,
70.8631

■ 48.9864, 76.9685,
74.4321

■ 51.3349, 78.0993,
78.1542

■ 54.5106, 79.6538,
82.0349

■ 58.5981, 81.6757,
86.0796

■ 63.6714, 84.2031,
90.2926

■ 69.7968, 87.2701,
94.6783

■ 77.0348, 90.9080,
99.2404

■ 85.4411, 95.1453,
103.9828

Harmonies

Analogous

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



51.5238, 75.7370, 38.0673



46.3026, 75.7370, 67.4367



47.1694, 75.7370, 114.2533

Triad

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



46.3026, 75.7370, 67.4367



82.3656, 75.7370, 193.3871



93.4446, 75.7370, 32.9159

Complementary

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



46.3026, 75.7370, 67.4367



41.9073, 21.5277, 5.4417

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.



104.2630, 75.7370, 57.1979



46.3026, 75.7370, 67.4367



97.2537, 75.7370, 152.3921

Square

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



46.3026, 75.7370, 67.4367



66.5269, 75.7370, 199.2903



105.7499, 75.7370, 99.5743



77.7353, 75.7370, 23.4978

Rectangle

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



46.3026, 75.7370, 67.4367



51.1254, 75.7370, 149.8406



105.7499, 75.7370, 99.5743



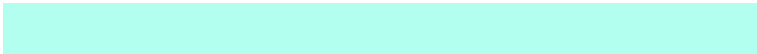
97.8651, 75.7370, 39.0941

Sweetspot

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



46.3034, 75.7374, 67.4381



69.7852, 87.2643, 94.6705



37.3514, 72.3404, 11.9958



14.3560, 18.3869, 19.8631



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

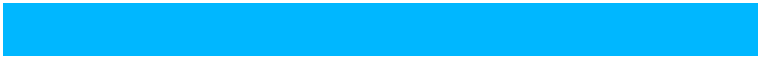
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3034, 75.7374, 67.4381



46.3018, 75.7367, 67.4322



34.9351, 40.9894, 100.6782



18.3804, 20.4117, 22.3061



24.2506, 39.5968, 35.5343



2.4004, 3.8711, 3.6664

Inverse Universe

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



41.9073, 21.5277, 5.4417



41.9060, 21.5264, 5.4372



43.5759, 25.9314, 2.7098



18.1668, 18.0500, 19.4953



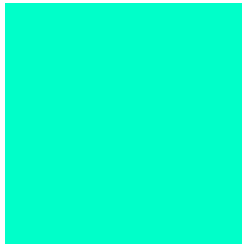
21.9404, 11.2655, 3.0709



2.1741, 1.1120, 0.4980

Previews

White Background



This preview shows how the XYZ color 46.3026, 75.7370, 67.4367 looks on a white background.

Color Contrast Check

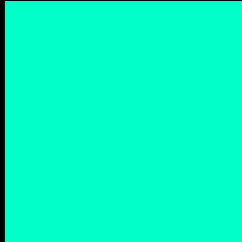
Large Text (above 18pt) WCAG AA × Fail

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 46.3026, 75.7370, 67.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

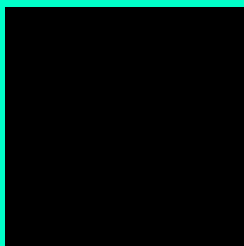
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3026, 75.7370, 67.4367

Background



This preview shows how black text looks on a background with the XYZ color 46.3026, 75.7370, 67.4367.

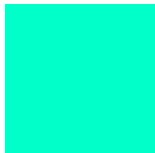


This preview shows how white text looks on a background with the XYZ color 46.3026, 75.7370,

Color Blindness Simulation

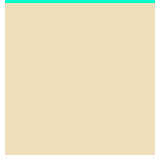
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



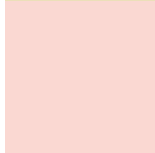
Original Color

46.3026, 75.7370, 67.4367



Protanopia

69.7367, 74.1110, 56.5283



Deuteranopia

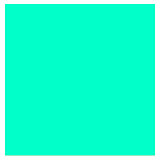
75.6131, 74.0889, 71.2881



Tritanopia

59.8575, 75.0291, 105.9350

Trichromacy



Original Color

46.3026, 75.7370, 67.4367



Protanomaly

51.6900, 69.6623, 60.0120



Deuteranomaly

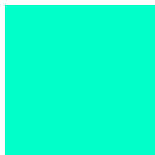
53.8574, 68.4696, 69.4088



Tritanomaly

51.6723, 73.3777, 90.0372

Monochromacy



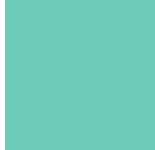
Original Color

46.3026, 75.7370, 67.4367



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.3336, 49.4458, 52.4288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3026, 75.7370, 67.4367 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.3026, 75.7370, 67.4367 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, 201) }
```


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

```
.border{ border-color:rgb(0, 255, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3026, 75.7370, 67.4367 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, 201) }
```

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

```
.background{ background-color: rgb(0, 255,  
201) }
```

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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