

Converting Colors

XYZ(32.4537, 46.1285, 74.7171)

Have a look what the booklet for
XYZ(32.4537, 46.1285, 74.7171)
contains.

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Color

**XYZ(33.8049, 46.9406,
74.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9DC
RGB	0, 201, 220
RGB Percent	0%, 79%, 86%
CMY	0.9998, 0.2118, 0.1372
CMYK	1.00, 0.09, 0.00, 0.14
HSL	185°, 100%, 43%
HSV	185°, 100%, 86%
XYZ	33.8049, 46.9406, 74.9889
YIQ	143.0670, -125.8950, -36.7030

Conversions

Conversions Part 2

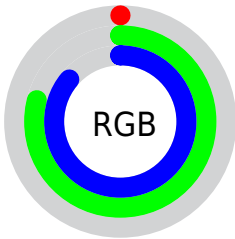
Format	Color
RYB	0, 105, 220
Decimal	51676
CIELab	74.15, -34.33, -21.19
CIELCh	74, 40.341, 211.682
Yxy	46.9406, 0.2171, 0.3014
Android (android.graphics.Color)	4278241756 (0xFF00C9DC)
YUV	143.0670, 37.9280, -125.4698
Hunter-Lab	68.5132, -31.8250, -16.9347

Details

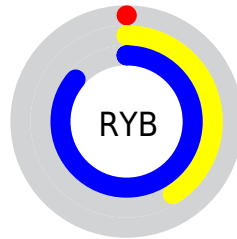
The XYZ color **33.8049, 46.9406, 74.9889** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.7496, 15.6835, 1.4607**, and the grayscale version is **26.0314, 27.3870, 29.8245**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.0704, 23.2744, 39.1900** is the 20% darker color. If you saturate the color by 10%, you get **33.8047, 46.9398, 74.9897**, and if you desaturate by 10%, it is **34.5835, 48.0047, 75.1541**.

Distribution



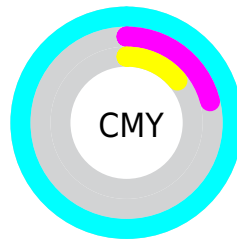
- Red (0%)
- Green (79%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8049, 46.9406, 74.9889 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 33.8049, 46.9406, 74.9889 by changing the saturation by 10% instead.

33.8049, 46.9406,
74.9889

33.8049, 46.9406,
74.9889

310.8625,
374.5774, 497.1338

22.9059, 32.9887,
55.1021

64.9765, 85.6250,
128.0436

14.6444, 22.1178,
39.0843

85.9798, 111.1262,
162.0486

8.6549, 13.9435,
26.5170

111.0819,
141.2460, 201.5968

4.5721, 8.0814,
16.9816

140.6482,
176.3688, 247.1066

2.0306, 4.1471,
10.0595

175.0441,
216.8789, 298.9967

0.6511, 1.7562,
5.3323

214.6349,

0.0000, 0.4596,

263.1608, 357.6856

2.3814

259.7859,
315.5988, 423.5918

■ 0.0000, 0.0000,
0.7763

■ 0.0000, 0.0000,
0.0000

■ 33.8049, 46.9406,
74.9889

■ 33.8049, 46.9406,
74.9889

■ 33.8047, 46.9398,
74.9897

■ 34.5835, 48.0047,
75.1541

■ 35.7437, 49.2727,
75.3377

■ 37.4099, 50.8097,
75.5466

■ 39.6514, 52.6515,
75.7840

■ 42.5268, 54.8284,
76.0526

■ 46.0873, 57.3668,
76.3549

■ 50.3789, 60.2903,
76.6930

■ 55.4436, 63.6207,
77.0689

■ 61.3202, 67.3781,
77.4844

Harmonies

Analogous

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



32.1178, 46.9406, 52.2870



33.8049, 46.9406, 74.9889



38.3434, 46.9406, 94.7566

Triad

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



33.8049, 46.9406, 74.9889



58.0000, 46.9406, 72.4075



44.2091, 46.9406, 20.7595

Complementary

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



33.8049, 46.9406, 74.9889



29.7496, 15.6835, 1.4607

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.



51.5371, 46.9406, 23.4723



33.8049, 46.9406, 74.9889



59.9961, 46.9406, 49.9514

Square

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



33.8049, 46.9406, 74.9889



52.3185, 46.9406, 93.0052



57.5156, 46.9406, 32.9295



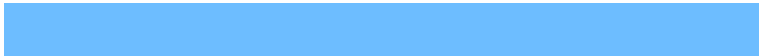
37.7085, 46.9406, 24.1743

Rectangle

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



33.8049, 46.9406, 74.9889



42.6354, 46.9406, 101.4644



57.5156, 46.9406, 32.9295



46.6563, 46.9406, 20.9805

Sweetspot

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



33.8064, 46.9423, 74.9900



70.2131, 84.1204, 107.1440



25.7065, 51.2324, 9.1227



14.4580, 17.6204, 22.8890



0.0000, 0.0000, 0.0000



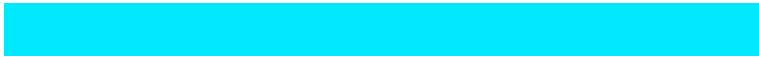
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8064, 46.9423, 74.9900



47.1815, 65.4830, 104.7605



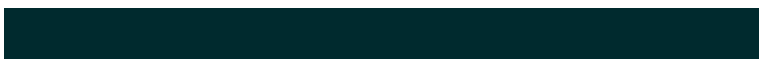
16.7201, 12.7698, 69.2946



13.3437, 14.6271, 16.7722



19.8806, 27.6306, 44.0238



1.3168, 1.8478, 2.8617

Inverse Universe

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



40.0591, 19.4342, 56.8999



55.9442, 27.1417, 79.3615



37.2816, 30.7474, 3.9714



13.5633, 13.2544, 16.2278



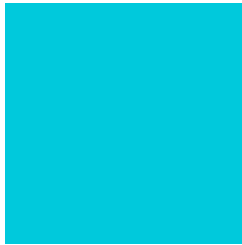
23.5301, 11.4131, 33.5014



1.5390, 0.7452, 2.2472

Previews

White Background



This preview shows how the XYZ color 33.8049, 46.9406, 74.9889 looks on a white background.

Color Contrast Check

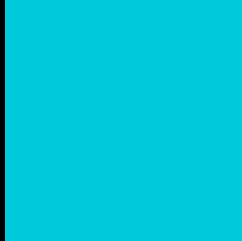
Large Text (above 18pt) WCAG AA × Fail

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 33.8049, 46.9406, 74.9889 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

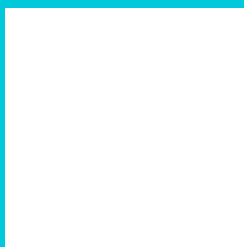
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8049, 46.9406, 74.9889

Background



This preview shows how black text looks on a background with the XYZ color 33.8049, 46.9406, 74.9889.



This preview shows how white text looks on a background with the XYZ color 33.8049, 46.9406,

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

33.8049, 46.9406, 74.9889

Protanopia

45.5933, 46.4459, 64.9544

Deuteranopia

47.2172, 46.1106, 77.6458



Tritanopia

33.5415, 46.8352, 73.6019

Trichromacy



Original Color

33.8049, 46.9406, 74.9889



Protanomaly

36.5511, 44.1803, 68.2292



Deuteranomaly

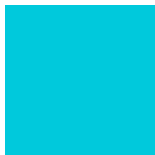
37.5603, 43.8903, 76.3041



Tritanomaly

33.6728, 46.8878, 74.2933

Monochromacy



Original Color

33.8049, 46.9406, 74.9889



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.9405, 31.7153, 43.3352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8049, 46.9406, 74.9889 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, 201, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 220)  
}
```

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, 201, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 220) }
```

Border

The CSS property to change the border of an element to XYZ 33.8049, 46.9406, 74.9889 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, 201, 220) }
```


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

```
.border{ border-color:rgb(0, 201, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8049, 46.9406, 74.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 220) }
```

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

```
.background{ background-color: rgb(0, 201,  
220) }
```

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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