

Converting Colors

XYZ(15.9668, 37.9827, 69.2510)

Have a look what the booklet for
XYZ(15.9668, 37.9827, 69.2510)
contains.

XYZ(32.8969, 46.5774, 70.2073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8969, 46.5774,
70.2073)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9D5
RGB	0, 201, 213
RGB Percent	0%, 79%, 84%
CMY	0.9998, 0.2118, 0.1647
CMYK	1.00, 0.06, 0.00, 0.16
HSL	183°, 100%, 42%
HSV	183°, 100%, 84%
XYZ	32.8969, 46.5774, 70.2073
YIQ	142.2690, -123.6480, -38.8800

Conversions

Conversions Part 2

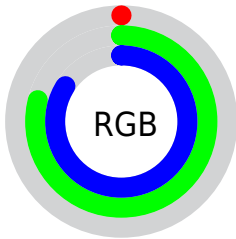
Format	Color
RYB	0, 103, 213
Decimal	51669
CIELab	73.92, -36.53, -17.75
CIELCh	74, 40.611, 205.921
Yxy	46.5774, 0.2198, 0.3112
Android (android.graphics.Color)	4278241749 (0xFF00C9D5)
YUV	142.2690, 34.8704, -124.7699
Hunter-Lab	68.2476, -33.3923, -13.2191

Details

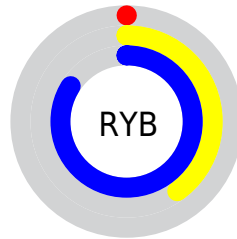
The XYZ color **32.8969, 46.5774, 70.2073** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.5733, 14.4106, 1.3297**, and the grayscale version is **25.7255, 27.0653, 29.4741**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.4504, 23.0264, 35.9253** is the 20% darker color. If you saturate the color by 10%, you get **32.8970, 46.5774, 70.2082**, and if you desaturate by 10%, it is **33.4954, 47.3038, 70.3169**.

Distribution



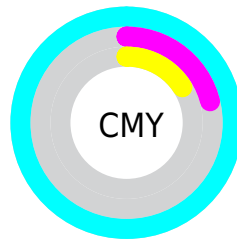
- Red (0%)
- Green (79%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8969, 46.5774, 70.2073 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 32.8969, 46.5774, 70.2073 by changing the saturation by 10% instead.


 32.8969, 46.5774,
70.2073


 32.8969, 46.5774,
70.2073


306.8581,
373.1251, 480.0863


 22.2063, 32.7017,
51.2177


 63.5703, 85.0825,
121.1882


 14.1260, 21.8980,
36.0040

 84.2838, 110.4806,
154.0166


 8.2907, 13.7820,
24.1475


 109.0690,
140.4884, 192.2950

 4.3349, 7.9692,
15.2299

 138.2913,
175.4902, 236.4420

 1.8933, 4.0752,
8.8325

 172.3160,
215.8703, 286.8761

 0.5729, 1.7157,
4.5368

211.5085,

 0.0000, 0.4338,

262.0133, 344.0158

1.9242

256.2341,
314.3034, 408.2797

■ 0.0000, 0.0000,
0.5081

■ 0.0000, 0.0000,
0.0000

■ 32.8969, 46.5774,
70.2073

■ 32.8969, 46.5774,
70.2073

■ 32.8970, 46.5774,
70.2082

■ 33.4954, 47.3038,
70.3169

■ 34.4434, 48.2128,
70.4423

■ 35.8582, 49.3656,
70.5903

■ 37.8036, 50.7953,
70.7637

■ 40.3338, 52.5296,
70.9651

■ 43.4958, 54.5930,
71.1967

■ 47.3323, 57.0074,
71.4605

■ 51.8819, 59.7927,
71.7584

■ 57.1805, 62.9674,
72.0919

Harmonies

Analogous

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



31.7899, 46.5774, 47.9324



32.8969, 46.5774, 70.2073



36.9217, 46.5774, 91.4045

Triad

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



32.8969, 46.5774, 70.2073



56.8257, 46.5774, 76.4849



45.2677, 46.5774, 20.4440

Complementary

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



32.8969, 46.5774, 70.2073



27.5733, 14.4106, 1.3297

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.



52.5348, 46.5774, 24.3490



32.8969, 46.5774, 70.2073



59.6524, 46.5774, 53.6030

Square

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



32.8969, 46.5774, 70.2073



50.6364, 46.5774, 95.6677



58.0029, 46.5774, 35.2121



38.4617, 46.5774, 22.6518

Rectangle

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



32.8969, 46.5774, 70.2073



40.9708, 46.5774, 100.0257



58.0029, 46.5774, 35.2121



47.7426, 46.5774, 21.0480

Sweetspot

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



32.8984, 46.5791, 70.2084



70.9254, 85.5449, 107.3814



23.8539, 47.6130, 8.2405



14.6311, 17.9667, 22.9467



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.



32.8984, 46.5791, 70.2084



49.3965, 69.9131, 105.4988



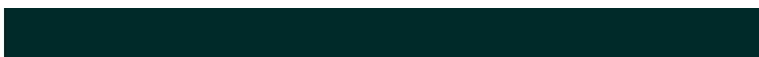
16.1829, 13.1481, 64.6366



12.7295, 13.9824, 15.9655



20.1204, 28.5025, 42.8942



1.2322, 1.7565, 2.5934

Inverse Universe

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



37.9845, 18.3646, 56.8028



57.0623, 27.5889, 85.2490



33.8228, 26.9096, 3.4129



12.9214, 12.6201, 15.5263



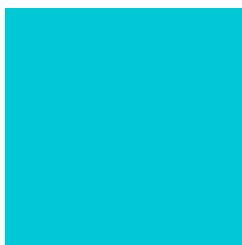
23.2147, 11.2222, 34.7642



1.4096, 0.6806, 2.1464

Previews

White Background



This preview shows how the XYZ color 32.8969, 46.5774, 70.2073 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 32.8969, 46.5774, 70.2073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

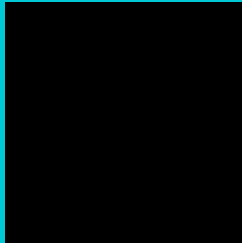
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

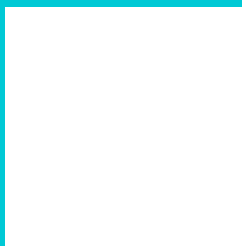
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8969, 46.5774, 70.2073

Background



This preview shows how black text looks on a background with the XYZ color 32.8969, 46.5774, 70.2073.



This preview shows how white text looks on a background with the XYZ color 32.8969, 46.5774,

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

32.8969, 46.5774, 70.2073

Protanopia

44.7890, 45.8287, 60.5180

Deuteranopia

46.7706, 45.6963, 72.6849



Tritanopia

33.4672, 46.4670, 72.8508

Trichromacy



Original Color

32.8969, 46.5774, 70.2073



Protanomaly

35.4795, 43.4110, 63.6359



Deuteranomaly

36.6831, 43.2332, 71.3772



Tritanomaly

33.2149, 46.3520, 72.1620

Monochromacy



Original Color

32.8969, 46.5774, 70.2073



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.3815, 31.1952, 41.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8969, 46.5774, 70.2073 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 213) }
```

Border

The CSS property to change the border of an element to XYZ 32.8969, 46.5774, 70.2073 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, 213) }
```


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

```
.border{ border-color:rgb(0, 201, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8969, 46.5774, 70.2073 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, 213) }
```

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

```
.background{ background-color: rgb(0, 201,  
213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor