

Converting Colors

XYZ(29.1112, 48.6287, 46.8689)

Have a look what the booklet for
XYZ(29.1112, 48.6287, 46.8689)
contains.

| | |
|--|----|
| XYZ(30.7407, 49.5671, 46.9769) | 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(30.7407, 49.5671,
46.9769)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00D3AC |
| RGB | 0, 211, 172 |
| RGB Percent | 0%, 83%, 67% |
| CMY | 0.9999, 0.1725, 0.3255 |
| CMYK | 1.00, 0.00, 0.18, 0.17 |
| HSL | 169°, 100%, 41% |
| HSV | 169°, 100%, 83% |
| XYZ | 30.7407, 49.5671, 46.9769 |
| YIQ | 143.4650, -113.2370, -56.8610 |

Conversions

Conversions Part 2

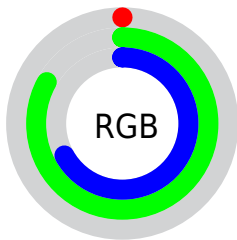
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 116, 211 |
| Decimal | 54188 |
| CIELab | 75.80, -52.49, 7.16 |
| CIELCh | 76, 52.976, 172.238 |
| Yxy | 49.5671, 0.2415, 0.3894 |
| Android (android.graphics.Color) | 4278244268 (0xFF00D3AC) |
| YUV | 143.4650, 14.0678, -125.8188 |
| Hunter-Lab | 70.4039, -45.2678, 9.7216 |

Details

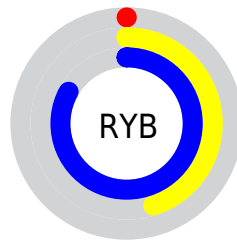
The XYZ color **30.7407, 49.5671, 46.9769** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.2321, 13.9969, 3.1891**, and the grayscale version is **26.2771, 27.6456, 30.1060**.

A 20% lighter version of the original color is **55.4508, 80.0693, 85.2054**, and **15.1115, 24.7988, 21.7595** is the 20% darker color. If you saturate the color by 10%, you get **30.7410, 49.5685, 46.9747**, and if you desaturate by 10%, it is **31.4341, 49.8818, 48.9951**.

Distribution



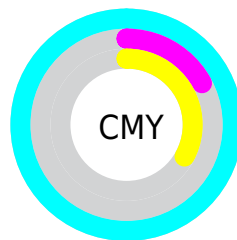
- Red (0%)
- Green (83%)
- Blue (67%)



- Red (0%)
- Yellow (45%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7407, 49.5671, 46.9769 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 30.7407, 49.5671, 46.9769 by changing the saturation by 10% instead.

30.7407, 49.5671,
46.9769

30.7407, 49.5671,
46.9769

297.1902,
384.9706, 391.1134

20.5523, 35.0696,
32.6632

60.2102, 89.5331,
87.0288

12.9078, 23.7165,
21.5995

80.2221, 115.7704,
113.6040

7.4416, 15.1234,
13.3675

104.2392,
146.6897, 145.1035

3.7886, 8.9061,
7.5484

132.6268,
182.6755, 181.9457

1.5832, 4.6800,
3.7237

165.7504,
224.1120, 224.5493

0.3814, 2.0607,
1.4750

203.9752,

0.0000, 0.6424,

271.3838, 273.3327

0.1992

247.6667,
324.8752, 328.7146

■ 0.0000, 0.0000,
0.0000

■ 30.7407, 49.5671,
46.9769

■ 30.7407, 49.5671,
46.9769

■ 30.7410, 49.5685,
46.9747

■ 31.4341, 49.8818,
48.9951

■ 32.4778, 50.3747,
51.0866

■ 33.9873, 51.1063,
53.2582

■ 36.0250, 52.1090,
55.5133

■ 38.6438, 53.4100,
57.8550

■ 41.8900, 55.0330,
60.2857

■ 45.8050, 56.9995,
62.8080

■ 50.4269, 59.3290,
65.4240

■ 55.7908, 62.0397,
68.1358

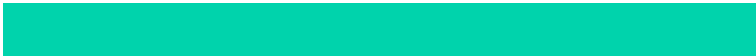
Harmonies

Analogous

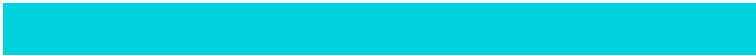
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6806, 49.5671, 27.1217



30.7407, 49.5671, 46.9769



31.6784, 49.5671, 77.1859

Triad

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



30.7407, 49.5671, 46.9769



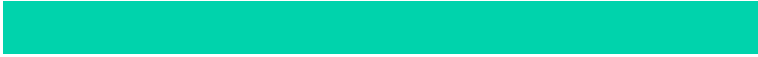
54.6419, 49.5671, 121.2742



59.6754, 49.5671, 21.4651

Complementary

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



30.7407, 49.5671, 46.9769



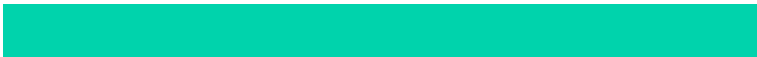
27.2321, 13.9969, 3.1891

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.



66.8864, 49.5671, 35.9498



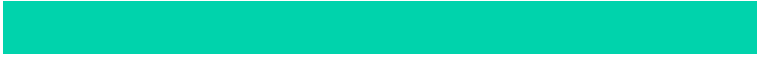
30.7407, 49.5671, 46.9769



63.7098, 49.5671, 94.4221

Square

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



30.7407, 49.5671, 46.9769



44.6023, 49.5671, 127.4388



68.4574, 49.5671, 61.6251



49.7142, 49.5671, 16.1142

Rectangle

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



30.7407, 49.5671, 46.9769



34.4458, 49.5671, 99.2076



68.4574, 49.5671, 61.6251



62.5554, 49.5671, 25.1238

Sweetspot

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



30.7421, 49.5690, 46.9781



70.0909, 87.3866, 96.2806



24.2595, 47.0873, 7.8112



14.4297, 18.4164, 20.2515



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.



30.7421, 49.5690, 46.9781



47.1277, 76.0671, 71.7816



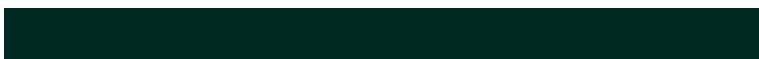
22.3037, 25.7934, 65.4333



12.0607, 13.3680, 14.6761



18.5868, 29.9277, 28.5340



1.0642, 1.6833, 1.7266

Inverse Universe

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



27.2321, 13.9969, 3.1891



41.7560, 21.4664, 4.6470



28.6607, 17.4407, 1.8568



11.8967, 11.8434, 12.7320



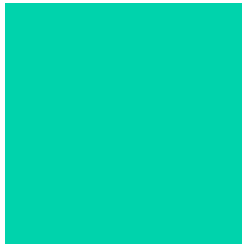
16.4612, 8.4573, 2.0690



0.9478, 0.4838, 0.2600

Previews

White Background



This preview shows how the XYZ color 30.7407, 49.5671, 46.9769 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 30.7407, 49.5671, 46.9769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

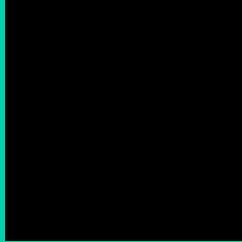
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

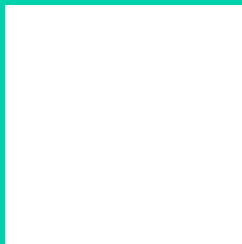
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7407, 49.5671, 46.9769

Background



This preview shows how black text looks on a background with the XYZ color 30.7407, 49.5671, 46.9769.

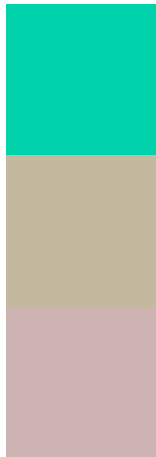


This preview shows how white text looks on a background with the XYZ color 30.7407, 49.5671,

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

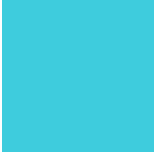
30.7407, 49.5671, 46.9769

Protanopia

46.1126, 48.8032, 39.7905

Deuteranopia

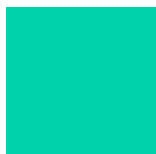
49.7104, 48.6167, 49.4118



Tritanopia

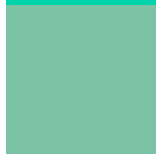
36.6306, 49.4303, 76.0170

Trichromacy



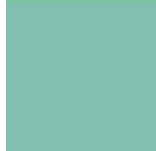
Original Color

30.7407, 49.5671, 46.9769



Protanomaly

34.3048, 45.5490, 42.1057



Deuteranomaly

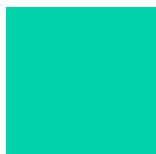
35.8273, 45.2215, 47.9146



Tritanomaly

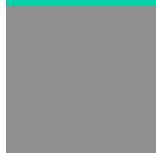
33.9290, 49.3688, 64.2408

Monochromacy



Original Color

30.7407, 49.5671, 46.9769



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.1498, 32.5625, 35.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7407, 49.5671, 46.9769 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, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 172)  
}
```

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, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 172) }
```

Border

The CSS property to change the border of an element to XYZ 30.7407, 49.5671, 46.9769 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, 211, 172) }
```


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

```
.border{ border-color:rgb(0, 211, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 211, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7407, 49.5671, 46.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 172) }
```

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

```
.background{ background-color: rgb(0, 211,  
172) }
```

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