

Converting Colors

XYZ(21.5669, 40.8128, 49.2997)

Have a look what the booklet for
XYZ(21.5669, 40.8128, 49.2997)
contains.

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Color

**XYZ(28.7910, 44.5632,
49.7319)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8B3
RGB	0, 200, 179
RGB Percent	0%, 78%, 70%
CMY	0.9998, 0.2157, 0.2980
CMYK	1.00, 0.00, 0.11, 0.22
HSL	174°, 100%, 39%
HSV	174°, 100%, 78%
XYZ	28.7910, 44.5632, 49.7319
YIQ	137.8060, -112.4590, -48.9310

Conversions

Conversions Part 2

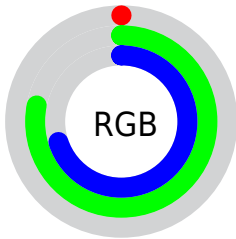
Format	Color
RYB	0, 106, 200
Decimal	51379
CIELab	72.60, -46.11, -1.26
CIELCh	73, 46.132, 181.565
Yxy	44.5632, 0.2339, 0.3620
Android (android.graphics.Color)	4278241459 (0xFF00C8B3)
YUV	137.8060, 20.3086, -120.8559
Hunter-Lab	66.7557, -39.8373, 2.5589

Details

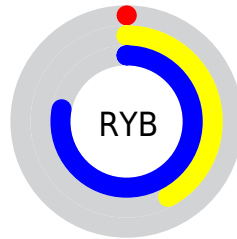
The XYZ color **28.7910, 44.5632, 49.7319** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.9564, 12.3349, 1.8298**, and the grayscale version is **24.0445, 25.2967, 27.5481**.

A 20% lighter version of the original color is **56.3489, 80.4017, 91.1464**, and **13.8913, 21.7572, 23.2061** is the 20% darker color. If you saturate the color by 10%, you get **28.7913, 44.5645, 49.7307**, and if you desaturate by 10%, it is **29.2952, 44.7994, 50.8741**.

Distribution



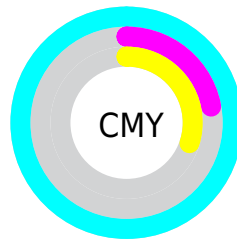
- Red (0%)
- Green (78%)
- Blue (70%)



- Red (0%)
- Yellow (42%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7910, 44.5632, 49.7319 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 28.7910, 44.5632, 49.7319 by changing the saturation by 10% instead.

■ 28.7910, 44.5632,
49.7319

■ 28.7910, 44.5632,
49.7319

288.2396,
365.0016, 402.3216

■ 19.0663, 31.1135,
34.8307

■ 57.1447, 82.0646,
91.1697

■ 11.8225, 20.6853,
23.2500

■ 76.5044, 106.8850,
118.5435

■ 6.6942, 12.8942,
14.5712

■ 99.8065, 136.2645,
150.9118

■ 3.3162, 7.3557,
8.3757

■ 127.4162,
170.5875, 188.6933

■ 1.3231, 3.6855,
4.2451

■ 159.6991,
210.2383, 232.3065

■ 0.2004, 1.4993,
1.7607

197.0203,

■ 0.0000, 0.2882,

255.6013, 282.1699

0.4019

239.7454,
307.0609, 338.7021

■ 0.0000, 0.0000,
0.0000

■ 28.7910, 44.5632,
49.7319

■ 28.7910, 44.5632,
49.7319

■ 28.7913, 44.5645,
49.7307

■ 29.2952, 44.7994,
50.8741

■ 30.1000, 45.1892,
52.0463

■ 31.3100, 45.7875,
53.2546

■ 32.9797, 46.6224,
54.5014

■ 35.1553, 47.7177,
55.7892

■ 37.8773, 49.0943,
57.1198

■ 41.1819, 50.7709,
58.4949

■ 45.1025, 52.7646,
59.9163

■ 49.6697, 55.0913,
61.3854

Harmonies

Analogous

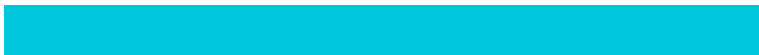
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.2419, 44.5632, 30.4560



28.7910, 44.5632, 49.7319



30.5779, 44.5632, 75.3608

Triad

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



28.7910, 44.5632, 49.7319



50.9092, 44.5632, 96.4395



50.0930, 44.5632, 19.2233

Complementary

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



28.7910, 44.5632, 49.7319



23.9564, 12.3349, 1.8298

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.



56.8261, 44.5632, 28.9573



28.7910, 44.5632, 49.7319



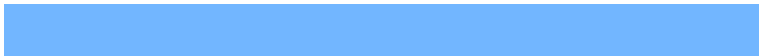
57.3374, 44.5632, 72.6070

Square

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



28.7910, 44.5632, 49.7319



42.7765, 44.5632, 107.0622



59.6262, 44.5632, 47.3314



41.9383, 44.5632, 16.5102

Rectangle

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



28.7910, 44.5632, 49.7319



33.5132, 44.5632, 91.7412



59.6262, 44.5632, 47.3314



52.6316, 44.5632, 21.5918

Sweetspot

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



28.7923, 44.5649, 49.7330



71.0182, 87.7575, 101.1635



21.0170, 41.4965, 6.9031



14.6542, 18.5062, 21.4335



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.



28.7923, 44.5649, 49.7330



49.7939, 77.1336, 85.8215



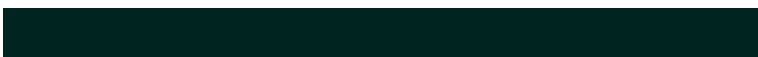
17.5527, 18.4236, 57.2763



10.8969, 12.0476, 13.4070



18.3257, 28.3426, 31.7232



0.8819, 1.3477, 1.5766

Inverse Universe

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



23.9564, 12.3349, 1.8298



41.4353, 21.3381, 2.9585



26.4529, 17.5447, 1.9934



10.6784, 10.6547, 11.2897



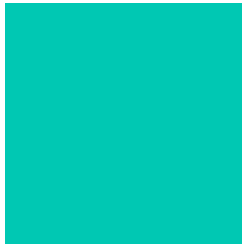
15.2475, 7.8486, 1.2474



0.7377, 0.3779, 0.1417

Previews

White Background



This preview shows how the XYZ color 28.7910, 44.5632, 49.7319 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 28.7910, 44.5632, 49.7319 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

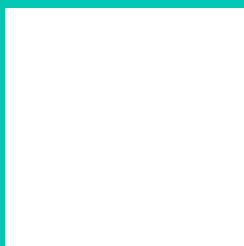
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7910, 44.5632, 49.7319

Background



This preview shows how black text looks on a background with the XYZ color 28.7910, 44.5632, 49.7319.

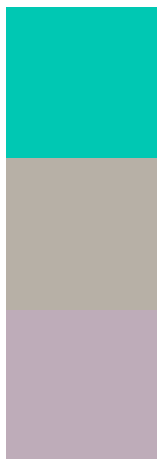


This preview shows how white text looks on a background with the XYZ color 28.7910, 44.5632,

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

28.7910, 44.5632, 49.7319

Protanopia

41.9367, 43.8711, 42.3341

Deuteranopia

44.7447, 43.9550, 52.0248



Tritanopia

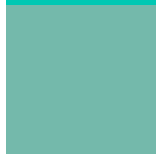
32.6382, 44.4372, 68.4850

Trichromacy



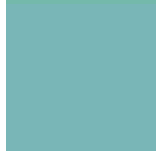
Original Color

28.7910, 44.5632, 49.7319



Protanomaly

31.9021, 41.3512, 44.8282



Deuteranomaly

33.1603, 40.9397, 50.9542



Tritanomaly

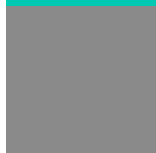
30.8707, 44.3631, 60.9687

Monochromacy



Original Color

28.7910, 44.5632, 49.7319



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.5191, 29.8644, 34.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7910, 44.5632, 49.7319 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, 200, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 179)  
}
```

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, 200, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 179) }
```

Border

The CSS property to change the border of an element to XYZ 28.7910, 44.5632, 49.7319 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, 200, 179) }
```


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

```
.border{ border-color:rgb(0, 200, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7910, 44.5632, 49.7319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 179) }
```

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

```
.background{ background-color: rgb(0, 200,  
179) }
```

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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