

Converting Colors

XYZ(26.7740, 43.0495, 48.0555)

Have a look what the booklet for
XYZ(26.7740, 43.0495, 48.0555)
contains.

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Color

**XYZ(28.2599, 43.9814,
48.0741)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7B0
RGB	0, 199, 176
RGB Percent	0%, 78%, 69%
CMY	0.9999, 0.2196, 0.3098
CMYK	1.00, 0.00, 0.12, 0.22
HSL	173°, 100%, 39%
HSV	173°, 100%, 78%
XYZ	28.2599, 43.9814, 48.0741
YIQ	136.8770, -111.2210, -49.3410

Conversions

Conversions Part 2

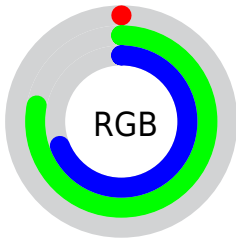
Format	Color
RYB	0, 106, 199
Decimal	51120
CIELab	72.22, -46.52, -0.20
CIELCh	72, 46.523, 180.242
Yxy	43.9814, 0.2349, 0.3656
Android (android.graphics.Color)	4278241200 (0xFF00C7B0)
YUV	136.8770, 19.2876, -120.0411
Hunter-Lab	66.3185, -39.9942, 3.4438

Details

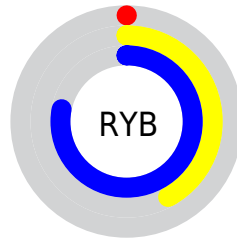
The XYZ color **28.2599, 43.9814, 48.0741** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.7094, 12.2053, 1.9188**, and the grayscale version is **23.6955, 24.9295, 27.1482**.

A 20% lighter version of the original color is **55.9190, 80.2298, 88.8826**, and **13.6113, 21.4018, 22.4823** is the 20% darker color. If you saturate the color by 10%, you get **28.2603, 43.9827, 48.0730**, and if you desaturate by 10%, it is **28.7775, 44.2227, 49.2978**.

Distribution



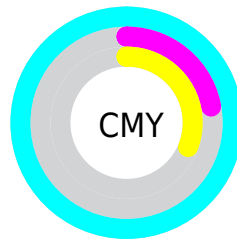
- Red (0%)
- Green (78%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2599, 43.9814, 48.0741 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 28.2599, 43.9814, 48.0741 by changing the saturation by 10% instead.

■ 28.2599, 43.9814,
48.0741

■ 28.2599, 43.9814,
48.0741

285.7643,
362.6324, 395.6029

■ 18.6631, 30.6559,
33.5252

■ 56.3049, 81.1898,
88.6814

■ 11.5297, 20.3370,
22.2547

■ 75.4838, 105.8414,
115.5769

■ 6.4942, 12.6402,
13.8440

■ 98.5874, 135.0372,
147.4249

■ 3.1913, 7.1813,
7.8748

■ 125.9812,
169.1615, 184.6441

■ 1.2557, 3.5757,
3.9283

■ 158.0304,
208.5988, 227.6530

■ 0.1497, 1.4392,
1.5861

195.1004,

■ 0.0000, 0.2453,

253.7335, 276.8700

0.2809

237.5566,
304.9499, 332.7138

■ 0.0000, 0.0000,
0.0000

■ 28.2599, 43.9814,
48.0741

■ 28.2599, 43.9814,
48.0741

■ 28.2603, 43.9827,
48.0730

■ 28.7775, 44.2227,
49.2978

■ 29.5926, 44.6159,
50.5546

■ 30.8089, 45.2155,
51.8506

■ 32.4803, 46.0493,
53.1883

■ 34.6523, 47.1407,
54.5699

■ 37.3649, 48.5103,
55.9975

■ 40.6541, 50.1767,
57.4728

■ 44.5527, 52.1568,
58.9974

■ 49.0909, 54.4661,
60.5728

Harmonies

Analogous

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



29.8472, 43.9814, 29.2209



28.2599, 43.9814, 48.0741



29.8990, 43.9814, 73.6056

Triad

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



28.2599, 43.9814, 48.0741



50.0171, 43.9814, 96.7674



49.8907, 43.9814, 18.9727

Complementary

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



28.2599, 43.9814, 48.0741



23.7094, 12.2053, 1.9188

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.



56.5093, 43.9814, 28.9903



28.2599, 43.9814, 48.0741



56.5886, 43.9814, 73.1783

Square

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



28.2599, 43.9814, 48.0741



41.8678, 43.9814, 106.6438



59.1008, 43.9814, 47.7029



41.7382, 43.9814, 16.0155

Rectangle

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



28.2599, 43.9814, 48.0741



32.7376, 43.9814, 90.2367



59.1008, 43.9814, 47.7029



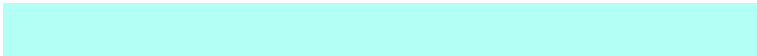
52.4041, 43.9814, 21.4272

Sweetspot

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



28.2612, 43.9831, 48.0751



70.8936, 87.7077, 100.5074



20.7834, 41.0334, 6.8259



14.6240, 18.4941, 21.2743



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.



28.2612, 43.9831, 48.0751



49.4218, 76.9847, 83.8621



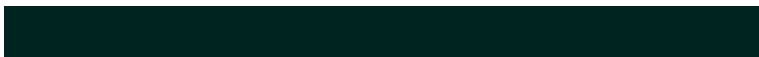
17.3594, 18.2234, 56.6372



10.8919, 12.0456, 13.3807



18.1923, 28.2893, 31.0209



0.8768, 1.3456, 1.5498

Inverse Universe

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



23.7094, 12.2053, 1.9188



41.4677, 21.3511, 3.1293



26.1598, 17.3538, 1.9719



10.6829, 10.6565, 11.3135



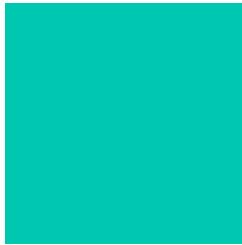
15.2617, 7.8542, 1.3218



0.7397, 0.3787, 0.1526

Previews

White Background



This preview shows how the XYZ color 28.2599, 43.9814, 48.0741 looks on a white background.

Color Contrast Check

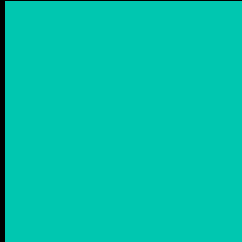
Large Text (above 18pt) WCAG AA × Fail

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 28.2599, 43.9814, 48.0741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

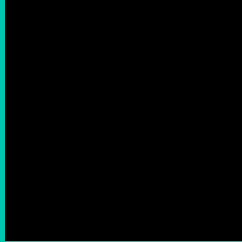
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

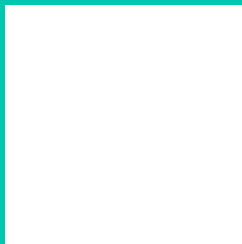
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2599, 43.9814, 48.0741

Background



This preview shows how black text looks on a background with the XYZ color 28.2599, 43.9814, 48.0741.

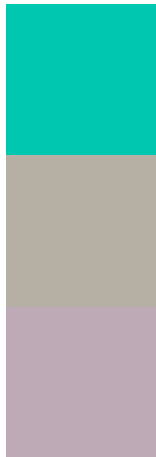


This preview shows how white text looks on a background with the XYZ color 28.2599, 43.9814,

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

28.2599, 43.9814, 48.0741

Protanopia

41.2322, 43.2494, 40.8251

Deuteranopia

44.0534, 43.0740, 50.2482



Tritanopia

32.3408, 43.9668, 67.7547

Trichromacy



Original Color

28.2599, 43.9814, 48.0741



Protanomaly

31.4108, 40.8211, 43.2695



Deuteranomaly

32.6472, 40.4080, 49.2588



Tritanomaly

30.5602, 43.8804, 60.2852

Monochromacy



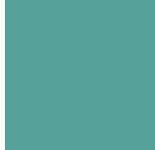
Original Color

28.2599, 43.9814, 48.0741



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.0872, 29.4022, 33.7892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2599, 43.9814, 48.0741 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, 199, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 176)  
}
```

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, 199, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 176) }
```

Border

The CSS property to change the border of an element to XYZ 28.2599, 43.9814, 48.0741 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, 199, 176) }
```


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

```
.border{ border-color:rgb(0, 199, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2599, 43.9814, 48.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 176) }
```

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

```
.background{ background-color: rgb(0, 199,  
176) }
```

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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