

Converting Colors

XYZ(12.1661, 39.2305, 43.8895)

Have a look what the booklet for
XYZ(12.1661, 39.2305, 43.8895)
contains.

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Color

**XYZ(29.8683, 48.4281,
44.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1A8
RGB	0, 209, 168
RGB Percent	0%, 82%, 66%
CMY	0.9999, 0.1804, 0.3412
CMYK	1.00, 0.00, 0.20, 0.18
HSL	168°, 100%, 41%
HSV	168°, 100%, 82%
XYZ	29.8683, 48.4281, 44.8191
YIQ	141.8350, -111.4030, -57.0590

Conversions

Conversions Part 2

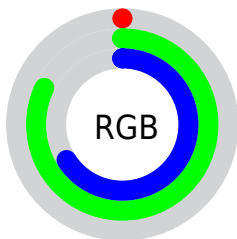
Format	Color
RYB	0, 116, 209
Decimal	53672
CIELab	75.09, -52.71, 8.28
CIELCh	75, 53.360, 171.069
Yxy	48.4281, 0.2426, 0.3934
Android (android.graphics.Color)	4278243752 (0xFF00D1A8)
YUV	141.8350, 12.8993, -124.3893
Hunter-Lab	69.5903, -45.1705, 10.5279

Details

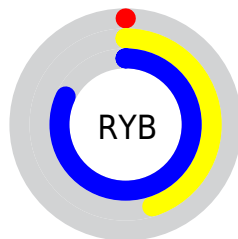
The XYZ color **29.8683, 48.4281, 44.8191** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.6964, 13.7166, 3.3407**, and the grayscale version is **25.6316, 26.9664, 29.3664**.

A 20% lighter version of the original color is **54.7882, 79.7908, 82.3256**, and **14.5436, 24.0434, 20.3973** is the 20% darker color. If you saturate the color by 10%, you get **29.8689, 48.4296, 44.8179**, and if you desaturate by 10%, it is **30.5652, 48.7437, 46.8788**.

Distribution



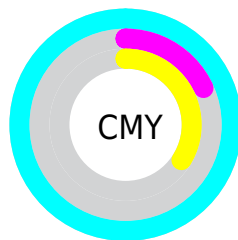
- Red (0%)
- Green (82%)
- Blue (66%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8683, 48.4281, 44.8191 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 29.8683, 48.4281, 44.8191 by changing the saturation by 10% instead.


 29.8683, 48.4281,
44.8191


 29.8683, 48.4281,
44.8191


293.2109,
380.4865, 382.1792


 19.8862, 34.1660,
30.9731


 58.8419, 87.8415,
83.7645


 12.4201, 23.0212,
20.3200


 78.5641, 113.7615,
109.7008


 7.1047, 14.6091,
12.4415


 102.2638,
144.3364, 140.5044

 3.5746, 8.5455,
6.9189

 130.3062,
179.9505, 176.5937

 1.4644, 4.4460,
3.3338

 163.0568,
220.9881, 218.3873

 0.3014, 1.9260,
1.2675

200.8809,

 0.0000, 0.5640,

267.8338, 266.3037

0.0349

244.1438,
320.8717, 320.7615

■ 0.0000, 0.0000,
0.0000

■ 29.8683, 48.4281,
44.8191

■ 29.8683, 48.4281,
44.8191

■ 29.8689, 48.4296,
44.8179

■ 30.5652, 48.7437,
46.8788

■ 31.6056, 49.2338,
49.0170

■ 33.1029, 49.9580,
51.2405

■ 35.1182, 50.9479,
53.5529

■ 37.7031, 52.2299,
55.9570

■ 40.9028, 53.8274,
58.4556

■ 44.7579, 55.7613,
61.0510

■ 49.3055, 58.0508,
63.7455

■ 54.5800, 60.7135,
66.5413

Harmonies

Analogous

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



32.9200, 48.4281, 25.6549



29.8683, 48.4281, 44.8191



30.6448, 48.4281, 74.5072

Triad

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



29.8683, 48.4281, 44.8191



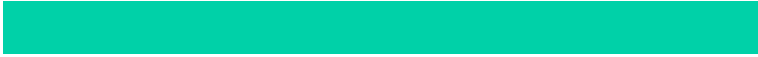
53.1108, 48.4281, 120.4617



58.8573, 48.4281, 20.9977

Complementary

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



29.8683, 48.4281, 44.8191



26.6964, 13.7166, 3.3407

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.



65.8555, 48.4281, 35.6725



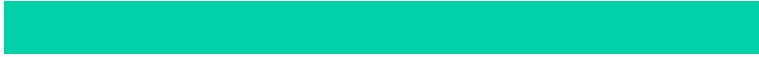
29.8683, 48.4281, 44.8191



62.2255, 48.4281, 94.2251

Square

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



29.8683, 48.4281, 44.8191



43.1773, 48.4281, 125.6365



67.1683, 48.4281, 61.5209



49.0045, 48.4281, 15.4628

Rectangle

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



29.8683, 48.4281, 44.8191



33.2815, 48.4281, 96.5064



67.1683, 48.4281, 61.5209



61.6765, 48.4281, 24.7158

Sweetspot

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



29.8696, 48.4300, 44.8202



69.9618, 87.3350, 95.6008



23.7489, 46.0911, 7.6455



14.3986, 18.4040, 20.0874



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.



29.8696, 48.4300, 44.8202



46.7757, 75.9263, 69.9279



21.8360, 25.2571, 64.0480



12.0548, 13.3657, 14.6449



18.4510, 29.8733, 27.8187



1.0577, 1.6807, 1.6925

Inverse Universe

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



26.6964, 13.7166, 3.3407



41.8164, 21.4906, 4.9652



28.0575, 17.0797, 1.8186



11.9022, 11.8456, 12.7608



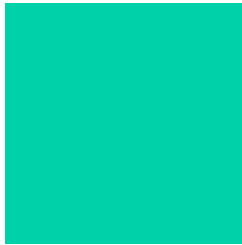
16.4872, 8.4677, 2.2058



0.9504, 0.4849, 0.2734

Previews

White Background



This preview shows how the XYZ color 29.8683, 48.4281, 44.8191 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 29.8683, 48.4281, 44.8191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

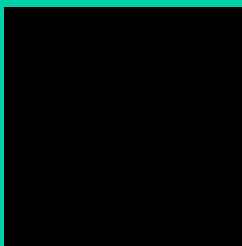
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

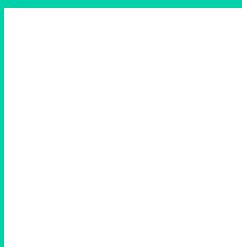
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8683, 48.4281, 44.8191

Background



This preview shows how black text looks on a background with the XYZ color 29.8683, 48.4281, 44.8191.

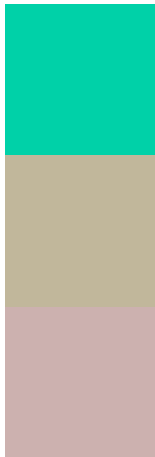


This preview shows how white text looks on a background with the XYZ color 29.8683, 48.4281,

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

29.8683, 48.4281, 44.8191

Protanopia

44.8422, 47.5710, 37.8290

Deuteranopia

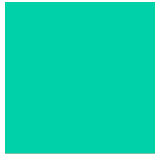
48.3618, 47.3768, 47.1531



Tritanopia

35.9566, 48.4123, 74.4672

Trichromacy



Original Color

29.8683, 48.4281, 44.8191



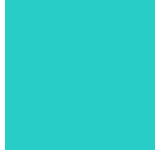
Protanomaly

33.3632, 44.4483, 40.0787



Deuteranomaly

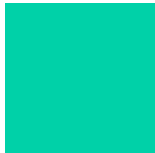
34.8499, 44.1196, 45.7089



Tritanomaly

33.1317, 48.2839, 62.2171

Monochromacy



Original Color

29.8683, 48.4281, 44.8191



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.4386, 31.6805, 34.1578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8683, 48.4281, 44.8191 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, 209, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 168)  
}
```

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, 209, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.8683, 48.4281, 44.8191 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, 209, 168) }
```


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

```
.border{ border-color:rgb(0, 209, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8683, 48.4281, 44.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 168) }
```

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

```
.background{ background-color: rgb(0, 209,  
168) }
```

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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