

Converting Colors

XYZ(30.7845, 49.1883, 48.4292)

Have a look what the booklet for
XYZ(30.7845, 49.1883, 48.4292)
contains.

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Color

**XYZ(30.7845, 49.1883,
48.4292)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00D2AF |
| RGB | 0, 210, 175 |
| RGB Percent | 0%, 82%, 69% |
| CMY | 0.9998, 0.1765, 0.3137 |
| CMYK | 1.00, 0.00, 0.17, 0.18 |
| HSL | 170°, 100%, 41% |
| HSV | 170°, 100%, 82% |
| XYZ | 30.7845, 49.1883, 48.4292 |
| YIQ | 143.2200, -113.9250, -55.4050 |

Conversions

Conversions Part 2

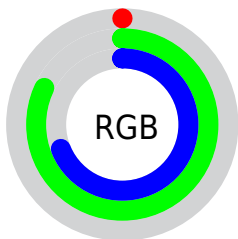
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 115, 210 |
| Decimal | 53935 |
| CIELab | 75.57, -51.32, 5.21 |
| CIELCh | 76, 51.580, 174.204 |
| Yxy | 49.1883, 0.2398, 0.3831 |
| Android (android.graphics.Color) | 4278244015 (0xFF00D2AF) |
| YUV | 143.2200, 15.6675, -125.6039 |
| Hunter-Lab | 70.1344, -44.3851, 8.1531 |

Details

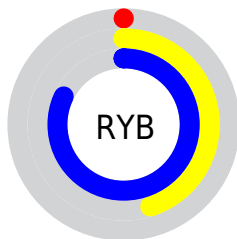
The XYZ color **30.7845, 49.1883, 48.4292** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.8836, 13.8245, 2.8448**, and the grayscale version is **26.1735, 27.5366, 29.9873**.

A 20% lighter version of the original color is **55.8686, 80.2364, 87.4055**, and **15.1308, 24.5413, 22.6784** is the 20% darker color. If you saturate the color by 10%, you get **30.7847, 49.1897, 48.4269**, and if you desaturate by 10%, it is **31.4439, 49.4892, 50.2796**.

Distribution



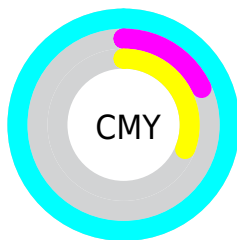
- Red (0%)
- Green (82%)
- Blue (69%)



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



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





- Cyan (100%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7845, 49.1883, 48.4292 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 30.7845, 49.1883, 48.4292 by changing the saturation by 10% instead.


 30.7845, 49.1883,
48.4292


 30.7845, 49.1883,
48.4292


297.3889,
383.4831, 397.0485


 20.5858, 34.7689,
33.8045


 60.2788, 88.9711,
89.2153


 12.9323, 23.4849,
22.4673

 80.3051, 115.1032,
116.2138

 7.4586, 14.9520,
13.9991


 104.3380,
145.9083, 148.1739

 3.7994, 8.7857,
7.9813

 132.7429,
181.7709, 185.5142

 1.5893, 4.6016,
3.9954

 165.8850,
223.0752, 228.6533

 0.3854, 2.0155,
1.6228

204.1299,

 0.0000, 0.6164,

270.2058, 278.0097

0.3070

247.8427,
323.5470, 334.0019

■ 0.0000, 0.0000,
0.0000

■ 30.7845, 49.1883,
48.4292

■ 30.7845, 49.1883,
48.4292

■ 30.7847, 49.1897,
48.4269

■ 31.4439, 49.4892,
50.2796

■ 32.4477, 49.9653,
52.1918

■ 33.9101, 50.6769,
54.1728

■ 35.8930, 51.6558,
56.2257

■ 38.4484, 52.9287,
58.3533

■ 41.6222, 54.5193,
60.5580

■ 45.4553, 56.4487,
62.8421

■ 49.9852, 58.7363,
65.2077

■ 55.2466, 61.4000,
67.6567

Harmonies

Analogous

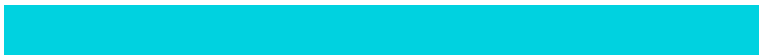
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4052, 49.1883, 28.3473



30.7845, 49.1883, 48.4292



31.9474, 49.1883, 78.0908

Triad

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



30.7845, 49.1883, 48.4292



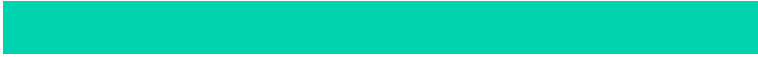
54.6765, 49.1883, 117.1222



58.3134, 49.1883, 21.2661

Complementary

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



30.7845, 49.1883, 48.4292



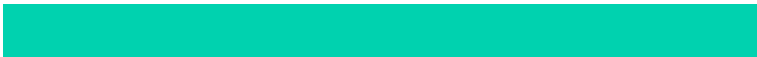
26.8836, 13.8245, 2.8448

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.



65.5421, 49.1883, 34.7901



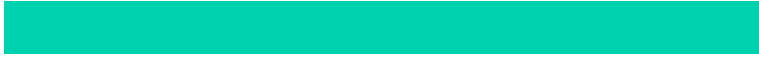
30.7845, 49.1883, 48.4292



63.2506, 49.1883, 90.5030

Square

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



30.7845, 49.1883, 48.4292



44.9252, 49.1883, 124.5983



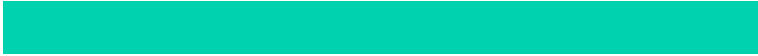
67.4614, 49.1883, 59.0360



48.6277, 49.1883, 16.4683

Rectangle

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



30.7845, 49.1883, 48.4292



34.8048, 49.1883, 99.1271



67.4614, 49.1883, 59.0360



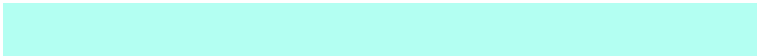
61.1612, 49.1883, 24.6621

Sweetspot

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



30.7859, 49.1902, 48.4304



70.2992, 87.4699, 97.3775



23.8667, 46.5171, 7.7219



14.4801, 18.4366, 20.5165



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.



30.7859, 49.1902, 48.4304



47.7057, 76.2983, 74.8252



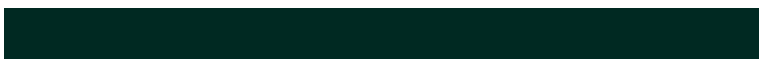
21.5336, 24.4533, 64.5598



12.0702, 13.3718, 14.7261



18.8097, 30.0168, 29.7078



1.0748, 1.6876, 1.7823

Inverse Universe

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



26.8836, 13.8245, 2.8448



41.6671, 21.4308, 4.1790



28.5587, 17.6606, 1.9048



11.8880, 11.8399, 12.6860



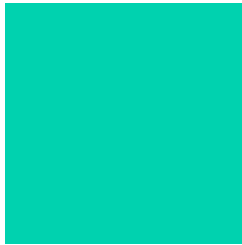
16.4227, 8.4419, 1.8660



0.9438, 0.4822, 0.2386

Previews

White Background



This preview shows how the XYZ color 30.7845, 49.1883, 48.4292 looks on a white background.

Color Contrast Check

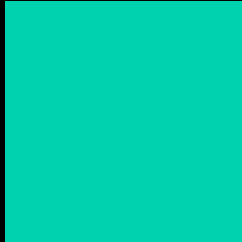
Large Text (above 18pt) WCAG AA × Fail

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 30.7845, 49.1883, 48.4292 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

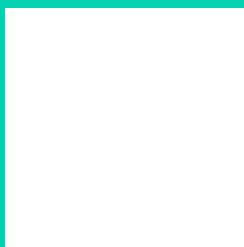
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7845, 49.1883, 48.4292

Background



This preview shows how black text looks on a background with the XYZ color 30.7845, 49.1883, 48.4292.

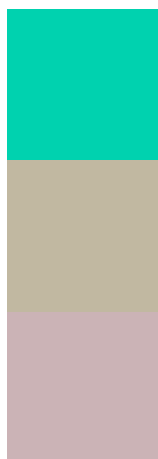


This preview shows how white text looks on a background with the XYZ color 30.7845, 49.1883,

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

30.7845, 49.1883, 48.4292

Protanopia

45.5658, 48.1916, 40.6186

Deuteranopia

49.1922, 48.3141, 50.9888



Tritanopia

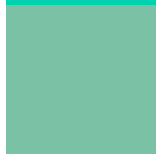
36.3746, 49.3137, 75.3115

Trichromacy



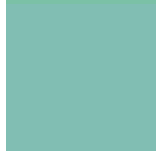
Original Color

30.7845, 49.1883, 48.4292



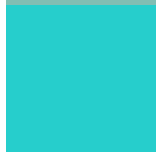
Protanomaly

34.1213, 45.1041, 42.9840



Deuteranomaly

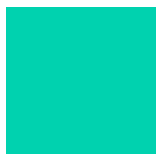
35.6034, 44.7487, 49.4087



Tritanomaly

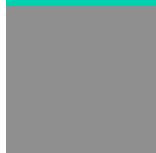
33.7697, 48.9143, 64.7883

Monochromacy



Original Color

30.7845, 49.1883, 48.4292



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.0495, 32.2281, 35.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7845, 49.1883, 48.4292 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, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 175)  
}
```

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, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.7845, 49.1883, 48.4292 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, 210, 175) }
```


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

```
.border{ border-color:rgb(0, 210, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7845, 49.1883, 48.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 175) }
```

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

```
.background{ background-color: rgb(0, 210,  
175) }
```

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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