

Converting Colors

XYZ(28.3098, 47.9542, 43.1900)

Have a look what the booklet for
XYZ(28.3098, 47.9542, 43.1900)
contains.

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Color

**XYZ(29.8381, 48.8098,
43.4459)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2A5
RGB	0, 210, 165
RGB Percent	0%, 82%, 65%
CMY	0.9999, 0.1765, 0.3529
CMYK	1.00, 0.00, 0.21, 0.18
HSL	167°, 100%, 41%
HSV	167°, 100%, 82%
XYZ	29.8381, 48.8098, 43.4459
YIQ	142.0800, -110.7150, -58.5150

Conversions

Conversions Part 2

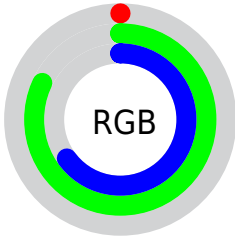
Format	Color
RYB	0, 118, 210
Decimal	53925
CIELab	75.33, -53.86, 10.23
CIELCh	75, 54.820, 169.245
Yxy	48.8098, 0.2444, 0.3998
Android (android.graphics.Color)	4278244005 (0xFF00D2A5)
YUV	142.0800, 11.2996, -124.6042
Hunter-Lab	69.8640, -46.0268, 12.0345

Details

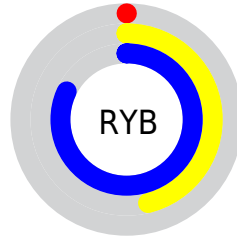
The XYZ color **29.8381, 48.8098, 43.4459** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.0538, 13.8924, 3.7410**, and the grayscale version is **25.7346, 27.0748, 29.4844**.

A 20% lighter version of the original color is **54.3872, 79.6304, 80.2138**, and **14.5362, 24.3035, 19.5477** is the 20% darker color. If you saturate the color by 10%, you get **29.8386, 48.8113, 43.4443**, and if you desaturate by 10%, it is **30.5660, 49.1381, 45.6575**.

Distribution



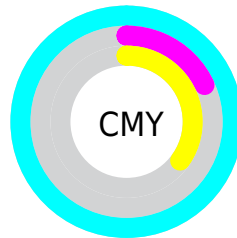
- Red (0%)
- Green (82%)
- Blue (65%)



- Red (0%)
- Yellow (46%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8381, 48.8098, 43.4459 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 29.8381, 48.8098, 43.4459 by changing the saturation by 10% instead.


 29.8381, 48.8098,
43.4459


 29.8381, 48.8098,
43.4459


293.0725,
381.9931, 376.4173


 19.8632, 34.4686,
29.9011

 58.7944, 88.4089,
81.6769


 12.4033, 23.2538,
19.5121


 78.5066, 114.4356,
107.2002


 7.0931, 14.7811,
11.8604


 102.1952,
145.1263, 137.5534

 3.5673, 8.6659,
6.5273

 130.2256,
180.8653, 173.1551

 1.4604, 4.5239,
3.0944

 162.9632,
222.0372, 214.4238

 0.2986, 1.9707,
1.1430

200.7733,

 0.0000, 0.5904,

269.0261, 261.7780

0.0000

244.0212,
322.2166, 315.6363

■ 0.0000, 0.0000,
0.0000

■ 29.8381, 48.8098,
43.4459

■ 29.8381, 48.8098,
43.4459

■ 29.8386, 48.8113,
43.4443

■ 30.5660, 49.1381,
45.6575

■ 31.6437, 49.6438,
47.9605

■ 33.1857, 50.3871,
50.3619

■ 35.2538, 51.4000,
52.8654

■ 37.9003, 52.7093,
55.4742

■ 41.1709, 54.3387,
58.1912

■ 45.1068, 56.3092,
61.0189

■ 49.7455, 58.6403,
63.9598

■ 55.1219, 61.3498,
67.0163

Harmonies

Analogous

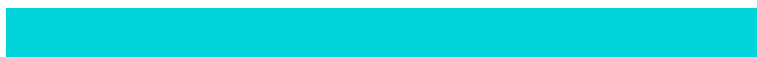
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2055, 48.8098, 24.5217



29.8381, 48.8098, 43.4459



30.3948, 48.8098, 73.6196

Triad

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



29.8381, 48.8098, 43.4459



53.0778, 48.8098, 124.6593



60.2296, 48.8098, 21.2136

Complementary

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



29.8381, 48.8098, 43.4459



27.0538, 13.8924, 3.7410

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.



67.2009, 48.8098, 36.8700



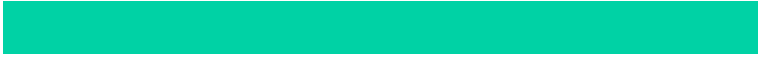
29.8381, 48.8098, 43.4459



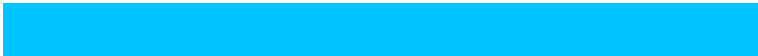
62.6762, 48.8098, 98.2397

Square

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



29.8381, 48.8098, 43.4459



42.8687, 48.8098, 128.4513



68.1560, 48.8098, 64.1911



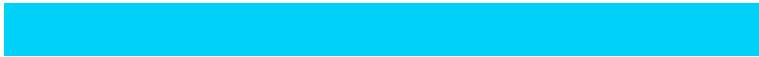
50.1038, 48.8098, 15.1397

Rectangle

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



29.8381, 48.8098, 43.4459



32.9434, 48.8098, 96.5609



68.1560, 48.8098, 64.1911



63.0785, 48.8098, 25.1972

Sweetspot

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



29.8394, 48.8117, 43.4470



69.7567, 87.2529, 94.5205



24.1528, 46.6647, 7.7350



14.3491, 18.3842, 19.8269



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.



29.8394, 48.8117, 43.4470



46.2262, 75.7065, 67.0343



22.6215, 26.6293, 64.9226



12.0453, 13.3619, 14.5952



18.2387, 29.7884, 26.7010



1.0475, 1.6767, 1.6389

Inverse Universe

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



27.0538, 13.8924, 3.7410



41.9212, 21.5325, 5.5174



28.1703, 16.8838, 1.7749



11.9109, 11.8491, 12.8069



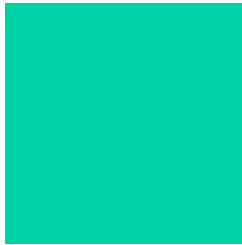
16.5319, 8.4856, 2.4412



0.9544, 0.4865, 0.2947

Previews

White Background



This preview shows how the XYZ color 29.8381, 48.8098, 43.4459 looks on a white background.

Color Contrast Check

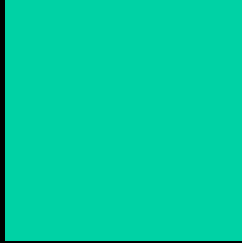
Large Text (above 18pt) WCAG AA × Fail

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 29.8381, 48.8098, 43.4459 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

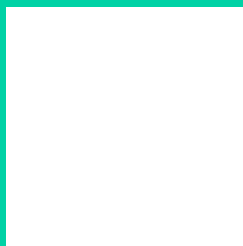
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8381, 48.8098, 43.4459

Background



This preview shows how black text looks on a background with the XYZ color 29.8381, 48.8098, 43.4459.



This preview shows how white text looks on a background with the XYZ color 29.8381, 48.8098,

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

29.8381, 48.8098, 43.4459

Protanopia

45.3137, 48.1501, 36.6114

Deuteranopia

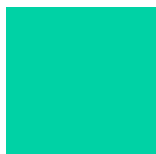
48.8204, 47.9412, 45.7102



Tritanopia

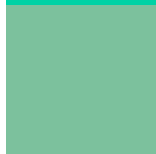
36.3221, 48.9502, 74.5518

Trichromacy



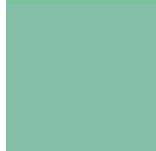
Original Color

29.8381, 48.8098, 43.4459



Protanomaly

33.4679, 44.8593, 38.7931



Deuteranomaly

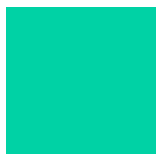
34.9350, 44.5168, 44.2874



Tritanomaly

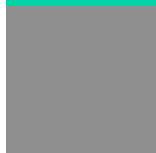
33.2946, 48.7376, 61.6853

Monochromacy



Original Color

29.8381, 48.8098, 43.4459



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.5402, 32.0131, 33.7926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8381, 48.8098, 43.4459 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.8381, 48.8098, 43.4459 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, 165) }
```


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

```
.border{ border-color:rgb(0, 210, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8381, 48.8098, 43.4459 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, 165) }
```

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

```
.background{ background-color: rgb(0, 210,  
165) }
```

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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