

Converting Colors

XYZ(23.0909, 45.0659, 43.4343)

Have a look what the booklet for
XYZ(23.0909, 45.0659, 43.4343)
contains.

XYZ(29.6834, 48.3541, 43.8452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6834, 48.3541,
43.8452)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1A6
RGB	0, 209, 166
RGB Percent	0%, 82%, 65%
CMY	0.9999, 0.1804, 0.3490
CMYK	1.00, 0.00, 0.21, 0.18
HSL	168°, 100%, 41%
HSV	168°, 100%, 82%
XYZ	29.6834, 48.3541, 43.8452
YIQ	141.6070, -110.7610, -57.6810

Conversions

Conversions Part 2

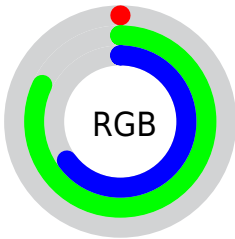
Format	Color
RYB	0, 116, 209
Decimal	53670
CIELab	75.05, -53.22, 9.29
CIELCh	75, 54.021, 170.099
Yxy	48.3541, 0.2435, 0.3967
Android (android.graphics.Color)	4278243750 (0xFF00D1A6)
YUV	141.6070, 12.0257, -124.1893
Hunter-Lab	69.5371, -45.4934, 11.2919

Details

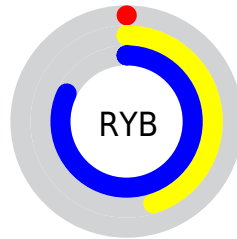
The XYZ color **29.6834, 48.3541, 43.8452** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.7324, 13.7311, 3.5299**, and the grayscale version is **25.5454, 26.8757, 29.2677**.

A 20% lighter version of the original color is **54.5201, 79.6835, 80.9136**, and **14.4285, 23.9974, 19.7911** is the 20% darker color. If you saturate the color by 10%, you get **29.6838, 48.3556, 43.8434**, and if you desaturate by 10%, it is **30.3934, 48.6750, 45.9737**.

Distribution



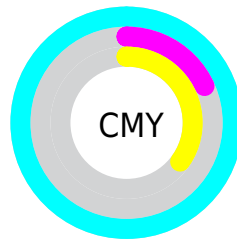
- Red (0%)
- Green (82%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- 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 29.6834, 48.3541, 43.8452 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 29.6834, 48.3541, 43.8452 by changing the saturation by 10% instead.


 29.6834, 48.3541,
43.8452


 29.6834, 48.3541,
43.8452


292.3623,
380.1940, 378.0991


 19.7453, 34.1074,
30.2125


 58.5512, 87.7314,
82.2847


 12.3172, 22.9761,
19.7465


 78.2116, 113.6308,
107.9287


 7.0338, 14.5759,
12.0287


 101.8435,
144.1831, 138.4135

 3.5298, 8.5223,
6.6404

 129.8122,
179.7729, 174.1577

 1.4397, 4.4309,
3.1633

 162.4830,
220.7845, 215.5798

 0.2843, 1.9174,
1.1786

200.2214,

 0.0000, 0.5588,

267.6023, 263.0984

0.0000

243.3927,
320.6106, 317.1319

■ 0.0000, 0.0000,
0.0000

■ 29.6834, 48.3541,
43.8452

■ 29.6834, 48.3541,
43.8452

■ 29.6838, 48.3556,
43.8434

■ 30.3934, 48.6750,
45.9737

■ 31.4481, 49.1708,
48.1869

■ 32.9610, 49.9012,
50.4916

■ 34.9930, 50.8978,
52.8915

■ 37.5959, 52.1870,
55.3896

■ 40.8148, 53.7922,
57.9885

■ 44.6904, 55.7344,
60.6908

■ 49.2597, 58.0325,
63.4989

■ 54.5572, 60.7044,
66.4150

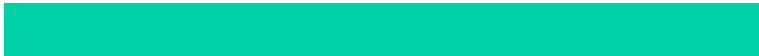
Harmonies

Analogous

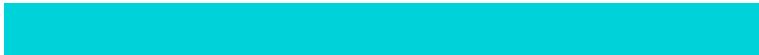
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8827, 48.3541, 24.9131



29.6834, 48.3541, 43.8452



30.3406, 48.3541, 73.6237

Triad

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



29.6834, 48.3541, 43.8452



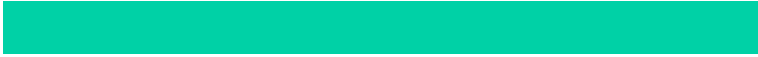
52.7944, 48.3541, 121.9672



59.2402, 48.3541, 20.9908

Complementary

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



29.6834, 48.3541, 43.8452



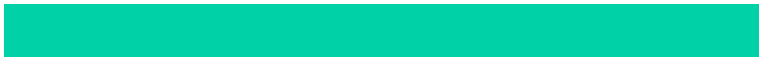
26.7324, 13.7311, 3.5299

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.



66.1857, 48.3541, 36.0928



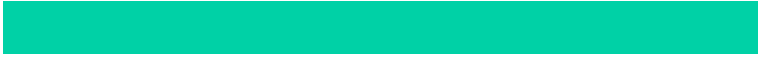
29.6834, 48.3541, 43.8452



62.1106, 48.3541, 95.7792

Square

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



29.6834, 48.3541, 43.8452



42.7723, 48.3541, 126.3976



67.3054, 48.3541, 62.5597



49.3004, 48.3541, 15.2051

Rectangle

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



29.6834, 48.3541, 43.8452



32.9163, 48.3541, 95.9932



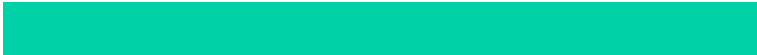
67.3054, 48.3541, 62.5597



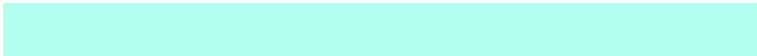
62.0592, 48.3541, 24.8261

Sweetspot

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



29.6847, 48.3560, 43.8463



69.8532, 87.2915, 95.0288



23.8972, 46.1675, 7.6525



14.3724, 18.3935, 19.9495



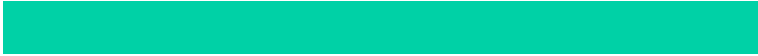
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6847, 48.3560, 43.8463



46.4833, 75.8093, 68.3879



22.3829, 26.3508, 64.2303



12.0498, 13.3637, 14.6186



18.3380, 29.8282, 27.2240



1.0523, 1.6786, 1.6640

Inverse Universe

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



26.7324, 13.7311, 3.5299



41.8705, 21.5122, 5.2503



27.8718, 16.7084, 1.7569



11.9068, 11.8475, 12.7851



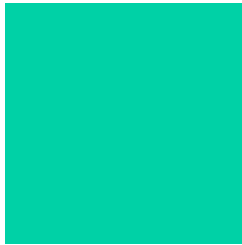
16.5103, 8.4770, 2.3276



0.9525, 0.4857, 0.2846

Previews

White Background



This preview shows how the XYZ color 29.6834, 48.3541, 43.8452 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 29.6834, 48.3541, 43.8452 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

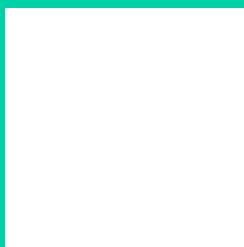
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6834, 48.3541, 43.8452

Background



This preview shows how black text looks on a background with the XYZ color 29.6834, 48.3541, 43.8452.

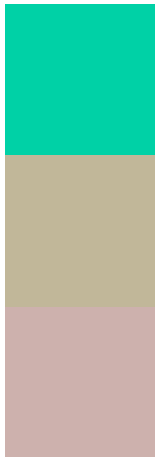


This preview shows how white text looks on a background with the XYZ color 29.6834, 48.3541,

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

29.6834, 48.3541, 43.8452

Protanopia

44.6756, 47.5043, 36.9516

Deuteranopia

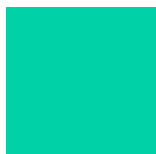
48.4418, 47.4405, 46.1389



Tritanopia

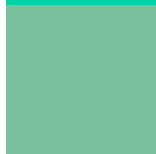
35.8898, 48.3930, 73.7789

Trichromacy



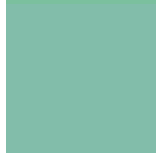
Original Color

29.6834, 48.3541, 43.8452



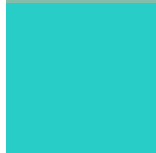
Protanomaly

33.1896, 44.3788, 39.1645



Deuteranomaly

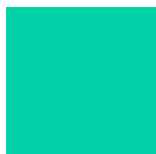
34.6592, 44.0433, 44.7047



Tritanomaly

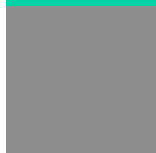
33.0546, 48.2576, 61.6053

Monochromacy



Original Color

29.6834, 48.3541, 43.8452



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 29.6834, 48.3541, 43.8452 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.6834, 48.3541, 43.8452 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, 166) }
```


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

```
.border{ border-color:rgb(0, 209, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6834, 48.3541, 43.8452 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, 166) }
```

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

```
.background{ background-color: rgb(0, 209,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor