

# Converting Colors

XYZ(28.2674, 47.1631, 43.8920)

Have a look what the booklet for  
XYZ(28.2674, 47.1631, 43.8920)  
contains.

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# Color

**XYZ(29.4388, 47.8649,  
43.7637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D0A6
RGB	0, 208, 166
RGB Percent	0%, 82%, 65%
CMY	0.9999, 0.1843, 0.3490
CMYK	1.00, 0.00, 0.20, 0.18
HSL	168°, 100%, 41%
HSV	168°, 100%, 82%
XYZ	29.4388, 47.8649, 43.7637
YIQ	141.0200, -110.4860, -57.1580

# Conversions

## Conversions Part 2

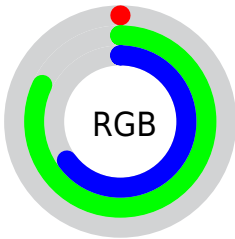
Format	Color
<a href="#">RYB</a>	<a href="#">0, 116, 208</a>
Decimal	<a href="#">53414</a>
CIELab	<a href="#">74.74, -52.82, 8.85</a>
CIELCh	<a href="#">75, 53.559, 170.490</a>
Yxy	<a href="#">47.8649, 0.2432, 0.3954</a>
Android (android.graphics.Color)	<a href="#">4278243494</a> ( <a href="#">0xFF00D0A6</a> )
YUV	<a href="#">141.0200, 12.3151, -123.6745</a>
Hunter-Lab	<a href="#">69.1845, -45.1190, 10.9243</a>

# Details

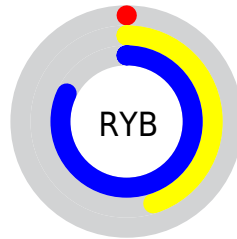
The XYZ color **29.4388, 47.8649, 43.7637** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.4321, 13.5784, 3.4211**, and the grayscale version is **25.3135, 26.6317, 29.0020**.

A 20% lighter version of the original color is **54.5201, 79.6835, 80.9136**, and **14.2655, 23.6714, 19.7368** is the 20% darker color. If you saturate the color by 10%, you get **29.4392, 47.8664, 43.7620**, and if you desaturate by 10%, it is **30.1372, 48.1808, 45.8422**.

# Distribution



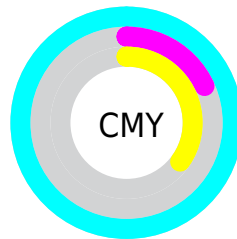
- Red (0%)
- Green (82%)
- Blue (65%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4388, 47.8649, 43.7637 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 29.4388, 47.8649, 43.7637 by changing the saturation by 10% instead.





 29.4388, 47.8649,  
43.7637


 29.4388, 47.8649,  
43.7637


291.2367,  
378.2564, 377.7562


 19.5590, 33.7199,  
30.1490


 58.1663, 87.0032,  
82.1607


 12.1813, 22.6785,  
19.6987


 77.7446, 112.7653,  
107.7801


 6.9403, 14.3563,  
11.9943


 101.2865,  
143.1686, 138.2381

 3.4708, 8.3689,  
6.6173

 129.1573,  
178.5975, 173.9532

 1.4073, 4.3319,  
3.1491

 161.7224,  
219.4363, 215.3441

 0.2615, 1.8609,  
1.1713

199.3471,

 0.0000, 0.5247,

266.0694, 262.8292

0.0000

242.3968,  
318.8813, 316.8270

■ 0.0000, 0.0000,  
0.0000

■ 29.4388, 47.8649,  
43.7637

■ 29.4388, 47.8649,  
43.7637

■ 29.4392, 47.8664,  
43.7620

■ 30.1372, 48.1808,  
45.8422

■ 31.1758, 48.6695,  
48.0019

■ 32.6670, 49.3901,  
50.2496

■ 34.6712, 50.3736,  
52.5890

■ 37.2393, 51.6463,  
55.0228

■ 40.4161, 53.2312,  
57.5537

■ 44.2416, 55.1491,  
60.1843

■ 48.7526, 57.4188,  
62.9168

■ 53.9830, 60.0578,  
65.7534

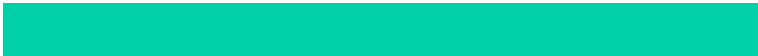
# Harmonies

## Analogous

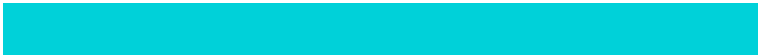
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.5447, 47.8649, 24.9414



29.4388, 47.8649, 43.7637



30.1366, 47.8649, 73.1876

# Triad

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



29.4388, 47.8649, 43.7637



52.3548, 47.8649, 120.0539



58.4508, 47.8649, 20.7680

# Complementary

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



29.4388, 47.8649, 43.7637



26.4321, 13.5784, 3.4211

# 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.



65.3431, 47.8649, 35.5363



29.4388, 47.8649, 43.7637



61.4904, 47.8649, 94.1264

# Square

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



29.4388, 47.8649, 43.7637



42.4755, 47.8649, 124.7366



66.5284, 47.8649, 61.4703



48.6526, 47.8649, 15.1447

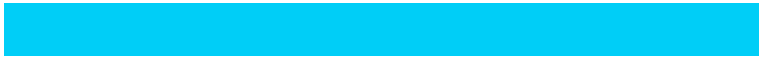


# Rectangle

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



29.4388, 47.8649, 43.7637



32.7092, 47.8649, 95.1694



66.5284, 47.8649, 61.4703



61.2397, 47.8649, 24.5151

# Sweetspot

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



29.4401, 47.8668, 43.7648



69.8965, 87.3088, 95.2567



23.6430, 45.6733, 7.5705



14.3828, 18.3977, 20.0044



0.0000, 0.0000, 0.0000

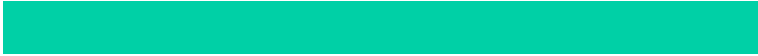


20.3446, 21.4041, 23.3091



# Same Dimension

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



29.4401, 47.8668, 43.7648



46.5994, 75.8558, 68.9994



22.1456, 26.0737, 63.5421



12.0518, 13.3645, 14.6291



18.3829, 29.8461, 27.4602



1.0544, 1.6794, 1.6754



# Inverse Universe

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



26.4321, 13.5784, 3.4211



41.8486, 21.5034, 5.1348



27.5751, 16.5337, 1.7388



11.9050, 11.8467, 12.7754



16.5010, 8.4732, 2.2783

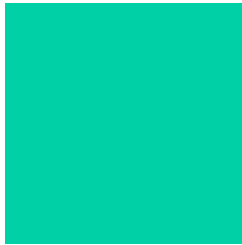


0.9516, 0.4854, 0.2801



# Previews

## White Background



This preview shows how the XYZ color 29.4388, 47.8649, 43.7637 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 29.4388, 47.8649, 43.7637 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

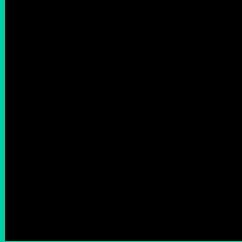
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

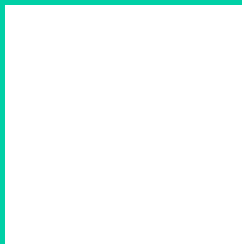
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.4388, 47.8649, 43.7637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4388, 47.8649, 43.7637.



This preview shows how white text looks on a background with the XYZ color 29.4388, 47.8649,



# 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

29.4388, 47.8649, 43.7637

### Protanopia

44.2159, 46.9623, 36.8712

### Deuteranopia

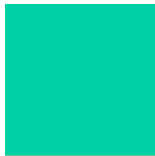
47.9700, 46.9052, 46.0605



## Tritanopia

35.4609, 47.8398, 73.0107

# Trichromacy



## Original Color

29.4388, 47.8649, 43.7637



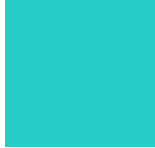
## Protanomaly

32.8284, 43.8678, 39.0848



## Deuteranomaly

34.4448, 43.6145, 44.6332



## Tritanomaly

32.6610, 47.7141, 60.9144

# Monochromacy



## Original Color

29.4388, 47.8649, 43.7637



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

23.1766, 31.2859, 33.6714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4388, 47.8649, 43.7637 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, 208, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 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, 208, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4388, 47.8649, 43.7637 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, 208, 166) }
```



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

```
.border{ border-color:rgb(0, 208, 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, 208, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4388, 47.8649, 43.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 166) }
```

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

```
.background{ background-color: rgb(0, 208,  
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](#).

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