

# Converting Colors

XYZ(17.3011, 39.2316, 41.4125)

Have a look what the booklet for  
XYZ(17.3011, 39.2316, 41.4125)  
contains.

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# Color

**XYZ(27.4975, 44.4176,  
41.7745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C9A3
RGB	0, 201, 163
RGB Percent	0%, 79%, 64%
CMY	0.9999, 0.2118, 0.3608
CMYK	1.00, 0.00, 0.19, 0.21
HSL	169°, 100%, 39%
HSV	169°, 100%, 79%
XYZ	27.4975, 44.4176, 41.7745
YIQ	136.5690, -107.5980, -54.4300

# Conversions

## Conversions Part 2

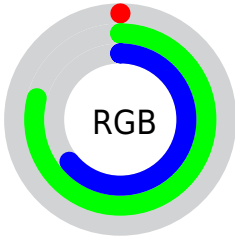
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 111, 201
Decimal	51619
CIELab	72.51, -50.80, 7.27
CIELCh	73, 51.322, 171.856
Yxy	44.4176, 0.2419, 0.3907
Android (android.graphics.Color)	4278241699 (0xFF00C9A3)
YUV	136.5690, 13.0305, -119.7710
Hunter-Lab	66.6465, -42.9846, 9.4892

# Details

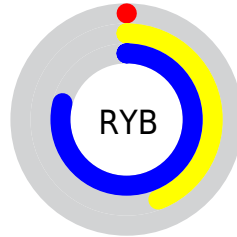
The XYZ color **27.4975, 44.4176, 41.7745** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.4389, 12.5587, 2.9723**, and the grayscale version is **23.6007, 24.8297, 27.0396**.

A 20% lighter version of the original color is **53.8944, 79.4067, 78.8162**, and **13.1481, 21.7055, 18.5355** is the 20% darker color. If you saturate the color by 10%, you get **27.4979, 44.4189, 41.7729**, and if you desaturate by 10%, it is **28.1353, 44.7075, 43.6100**.

# Distribution



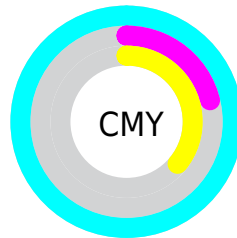
- Red (0%)
- Green (79%)
- Blue (64%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4975, 44.4176, 41.7745 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 27.4975, 44.4176, 41.7745 by changing the saturation by 10% instead.





 27.4975, 44.4176,  
41.7745


 27.4975, 44.4176,  
41.7745


282.1818,  
364.4097, 369.3194


 18.0857, 30.9989,  
28.6005


 55.0954, 81.8458,  
79.1246


 11.1116, 20.5980,  
18.5358


 74.0123, 106.6241,  
104.1378


 6.2098, 12.8305,  
11.1620


 96.8283, 135.9577,  
133.9346

 3.0149, 7.3119,  
6.0603

 123.9087,  
170.2310, 168.9333

 1.1617, 3.6579,  
2.8124

 155.6189,  
209.8285, 209.5526

 0.0758, 1.4841,  
0.9997

192.3242,

 0.0000, 0.2775,

255.1345, 256.2110

0.0000

234.3901,  
306.5335, 309.3271

■ 0.0000, 0.0000,  
0.0000

■ 27.4975, 44.4176,  
41.7745

■ 27.4975, 44.4176,  
41.7745

■ 27.4979, 44.4189,  
41.7729

■ 28.1353, 44.7075,  
43.6100

■ 29.0843, 45.1556,  
45.5130

■ 30.4503, 45.8175,  
47.4898

■ 32.2886, 46.7216,  
49.5436

■ 34.6459, 47.8920,  
51.6768

■ 37.5633, 49.3500,  
53.8919

■ 41.0776, 51.1145,  
56.1911

■ 45.2226, 53.2028,  
58.5763

■ 50.0295, 55.6311,  
61.0494

# Harmonies

## Analogous

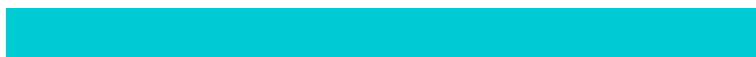
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1854, 44.4176, 24.0514



27.4975, 44.4176, 41.7745



28.2962, 44.4176, 68.8980

# Triad

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



27.4975, 44.4176, 41.7745



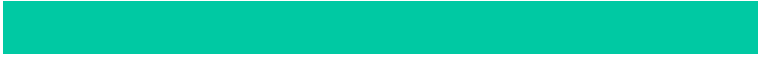
48.8834, 44.4176, 109.2604



53.6399, 44.4176, 19.2424

# Complementary

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



27.4975, 44.4176, 41.7745



24.4389, 12.5587, 2.9723

# 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.



60.0880, 44.4176, 32.3771



27.4975, 44.4176, 41.7745



57.0853, 44.4176, 85.1963

# Square

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



27.4975, 44.4176, 41.7745



39.8495, 44.4176, 114.5343



61.4300, 44.4176, 55.6107



44.6777, 44.4176, 14.3560



# Rectangle

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



27.4975, 44.4176, 41.7745



30.7561, 44.4176, 88.7765



61.4300, 44.4176, 55.6107



56.2223, 44.4176, 22.5636

# Sweetspot

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



27.4987, 44.4193, 41.7755



70.0428, 87.3673, 96.0272



21.7713, 42.2304, 7.0047



14.4181, 18.4118, 20.1903



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.



27.4987, 44.4193, 41.7755



46.9959, 76.0144, 71.0877



20.0257, 23.1820, 58.6794



10.8574, 12.0318, 13.1991



17.3210, 27.9408, 26.4325



0.8430, 1.3321, 1.3718



# Inverse Universe

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



24.4389, 12.5587, 2.9723



41.7780, 21.4752, 4.7630



25.7211, 15.6835, 1.6724



10.7144, 10.6692, 11.4796



15.3907, 7.9058, 2.0014

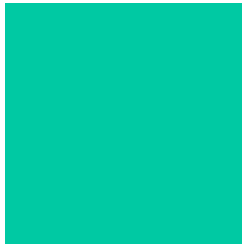


0.7541, 0.3845, 0.2283



# Previews

## White Background



This preview shows how the XYZ color 27.4975, 44.4176, 41.7745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

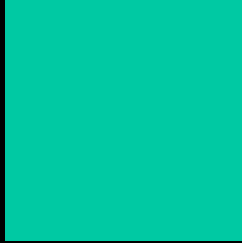
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4975, 44.4176, 41.7745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

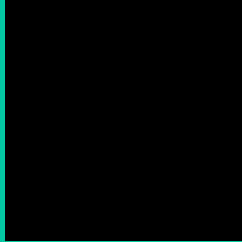
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

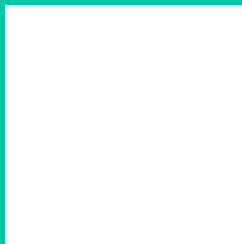
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.4975, 44.4176, 41.7745**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4975, 44.4176, 41.7745.



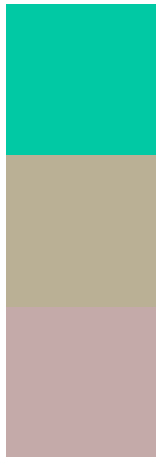
This preview shows how white text looks on a background with the XYZ color 27.4975, 44.4176,



# 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

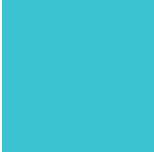
27.4975, 44.4176, 41.7745

### Protanopia

41.2801, 43.6918, 35.1118

### Deuteranopia

44.5836, 43.7639, 44.1277



## **Tritanopia**

33.0114, 44.6440, 67.8500

# Trichromacy



## Original Color

27.4975, 44.4176, 41.7745



## Protanomaly

30.7366, 40.9160, 37.2879



## Deuteranomaly

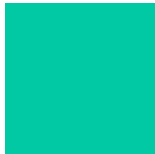
32.1604, 40.6059, 42.7019



## Tritanomaly

30.3912, 44.1948, 57.3807

# Monochromacy



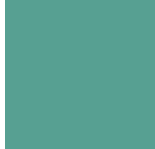
## Original Color

27.4975, 44.4176, 41.7745



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

21.6896, 29.2432, 31.6955

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4975, 44.4176, 41.7745 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, 201, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 163)  
}
```

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, 201, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4975, 44.4176, 41.7745 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, 201, 163) }
```



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

```
.border{ border-color:rgb(0, 201, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4975, 44.4176, 41.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 163) }
```

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

```
.background{ background-color: rgb(0, 201,  
163) }
```

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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