

# Converting Colors

XYZ(28.8225, 44.9476, 48.7516)

Have a look what the booklet for  
XYZ(28.8225, 44.9476, 48.7516)  
contains.

<b>XYZ(28.8225, 44.9476, 48.7516)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(28.8225, 44.9476,  
48.7516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C9B1
RGB	0, 201, 177
RGB Percent	0%, 79%, 69%
CMY	0.9998, 0.2118, 0.3059
CMYK	1.00, 0.00, 0.12, 0.21
HSL	173°, 100%, 39%
HSV	173°, 100%, 79%
XYZ	28.8225, 44.9476, 48.7516
YIQ	138.1650, -112.0920, -50.0760

# Conversions

## Conversions Part 2

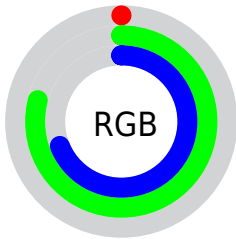
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 201
Decimal	51633
CIELab	72.86, -47.09, 0.20
CIELCh	73, 47.087, 179.760
Yxy	44.9476, 0.2352, 0.3669
Android (android.graphics.Color)	4278241713 (0xFF00C9B1)
YUV	138.1650, 19.1457, -121.1707
Hunter-Lab	67.0430, -40.5861, 3.8162

# Details

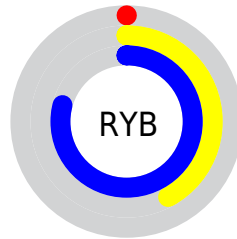
The XYZ color **28.8225, 44.9476, 48.7516** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.2539, 12.4849, 1.9979**, and the grayscale version is **24.1853, 25.4448, 27.7094**.

A 20% lighter version of the original color is **56.0615, 80.2868, 89.6329**, and **13.9806, 22.0384, 22.9190** is the 20% darker color. If you saturate the color by 10%, you get **28.8228, 44.9489, 48.7502**, and if you desaturate by 10%, it is **29.3561, 45.1958, 50.0378**.

# Distribution



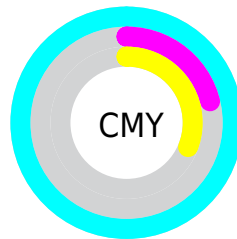
- Red (0%)
- Green (79%)
- Blue (69%)



- Red (0%)
- Yellow (42%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8225, 44.9476, 48.7516 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 28.8225, 44.9476, 48.7516 by changing the saturation by 10% instead.



■ 28.8225, 44.9476,  
48.7516

■ 28.8225, 44.9476,  
48.7516

288.3859,  
366.5613, 398.3579

■ 19.0902, 31.4162,  
34.0583

■ 57.1945, 82.6418,  
89.6996

■ 11.8399, 20.9159,  
22.6606

■ 76.5648, 107.5733,  
116.7913

■ 6.7061, 13.0626,  
14.1402

■ 99.8786, 137.0736,  
148.8529

■ 3.3237, 7.4716,  
8.0784

■ 127.5011,  
171.5272, 186.3029

■ 1.3272, 3.7588,  
4.0566

■ 159.7978,  
211.3183, 229.5599

■ 0.2034, 1.5396,  
1.6565

197.1339,

■ 0.0000, 0.3163,

256.8314, 279.0423

0.3306

239.8748,  
308.4510, 335.1688

■ 0.0000, 0.0000,  
0.0000

■ 28.8225, 44.9476,  
48.7516

■ 28.8225, 44.9476,  
48.7516

■ 28.8228, 44.9489,  
48.7502

■ 29.3561, 45.1958,  
50.0378

■ 30.1949, 45.5999,  
51.3594

■ 31.4445, 46.2152,  
52.7224

■ 33.1602, 47.0703,  
54.1295

■ 35.3887, 48.1893,  
55.5830

■ 38.1709, 49.5932,  
57.0850

■ 41.5437, 51.3011,  
58.6372

■ 45.5407, 53.3302,  
60.2413

■ 50.1930, 55.6967,  
61.8990

# Harmonies

## Analogous

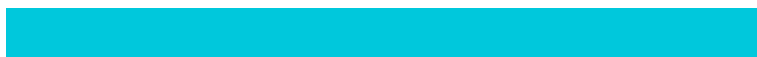
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5034, 44.9476, 29.5502



28.8225, 44.9476, 48.7516



30.4507, 44.9476, 74.9306

# Triad

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



28.8225, 44.9476, 48.7516



51.0295, 44.9476, 99.4969



51.1582, 44.9476, 19.3904

# Complementary

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



28.8225, 44.9476, 48.7516



24.2539, 12.4849, 1.9979

# 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.



57.9118, 44.9476, 29.7846



28.8225, 44.9476, 48.7516



57.8310, 44.9476, 75.3661

# Square

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



28.8225, 44.9476, 48.7516



42.6554, 44.9476, 109.3564



60.4944, 44.9476, 49.1295



42.7874, 44.9476, 16.2631



# Rectangle

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



28.8225, 44.9476, 48.7516



33.3296, 44.9476, 92.1010



60.4944, 44.9476, 49.1295



53.7298, 44.9476, 21.9433

# Sweetspot

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



28.8238, 44.9493, 48.7527



70.8486, 87.6897, 100.2706



21.3352, 42.0055, 6.9845



14.6131, 18.4898, 21.2169



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.



28.8238, 44.9493, 48.7527



49.2886, 76.9314, 83.1605



18.1737, 19.4780, 58.0619



10.8901, 12.0449, 13.3712



18.1445, 28.2702, 30.7694



0.8749, 1.3449, 1.5402



# Inverse Universe

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



24.2539, 12.4849, 1.9979



41.4802, 21.3561, 3.1949



26.5189, 17.2791, 1.9386



10.6845, 10.6572, 11.3221



15.2670, 7.8564, 1.3501

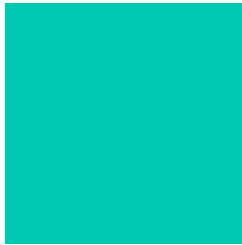


0.7405, 0.3790, 0.1566



# Previews

## White Background



This preview shows how the XYZ color 28.8225, 44.9476, 48.7516 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 28.8225, 44.9476, 48.7516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

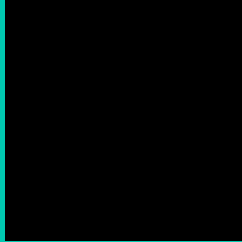
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

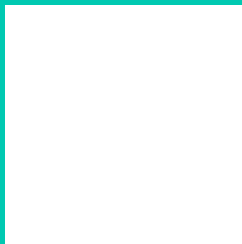
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.8225, 44.9476, 48.7516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8225, 44.9476, 48.7516.



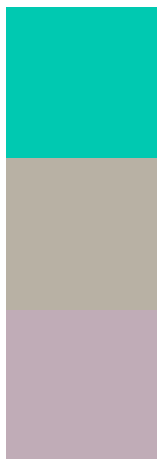
This preview shows how white text looks on a background with the XYZ color 28.8225, 44.9476,



# 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

28.8225, 44.9476, 48.7516

### Protanopia

42.1901, 44.3150, 41.4519

### Deuteranopia

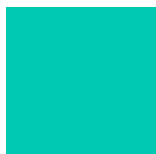
45.0380, 44.1304, 50.9440



## Tritanopia

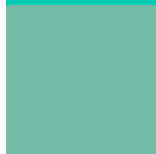
33.0918, 44.9902, 69.2272

# Trichromacy



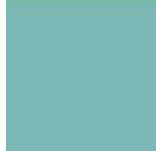
## Original Color

28.8225, 44.9476, 48.7516



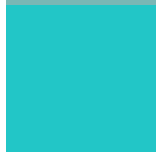
## Protanomaly

32.0565, 41.7643, 43.9079



## Deuteranomaly

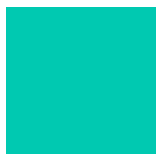
33.3000, 41.3407, 49.9405



## Tritanomaly

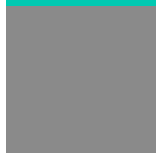
31.1626, 44.8518, 61.0476

# Monochromacy



## Original Color

28.8225, 44.9476, 48.7516



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

22.4369, 29.8314, 34.2813

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8225, 44.9476, 48.7516 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8225, 44.9476, 48.7516 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, 177) }
```



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

```
.border{ border-color:rgb(0, 201, 177) }
```

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, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8225, 44.9476, 48.7516 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, 177) }
```

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

```
.background{ background-color: rgb(0, 201,  
177) }
```

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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