

# Converting Colors

XYZ(28.3323, 43.0433, 51.4367)

Have a look what the booklet for  
XYZ(28.3323, 43.0433, 51.4367)  
contains.

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# Color

**XYZ(28.2872, 42.8988,  
51.5891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C4B7
RGB	0, 196, 183
RGB Percent	0%, 77%, 72%
CMY	0.9999, 0.2314, 0.2823
CMYK	1.00, 0.00, 0.07, 0.23
HSL	176°, 100%, 38%
HSV	176°, 100%, 77%
XYZ	28.2872, 42.8988, 51.5891
YIQ	135.9140, -112.6430, -45.5950

# Conversions

## Conversions Part 2

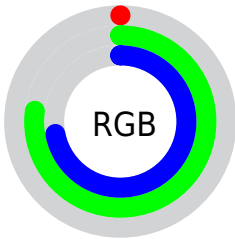
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 196
Decimal	50359
CIELab	71.49, -43.27, -5.08
CIELCh	71, 43.567, 186.696
Yxy	42.8988, 0.2304, 0.3494
Android (android.graphics.Color)	4278240439 (0xFF00C4B7)
YUV	135.9140, 23.2134, -119.1966
Hunter-Lab	65.4972, -37.5287, -0.8520

# Details

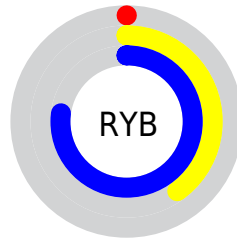
The XYZ color **28.2872, 42.8988, 51.5891** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.8390, 11.7661, 1.4494**, and the grayscale version is **23.3204, 24.5348, 26.7184**.

A 20% lighter version of the original color is **56.2988, 79.3661, 94.0133**, and **13.5541, 20.6615, 24.3928** is the 20% darker color. If you saturate the color by 10%, you get **28.2877, 42.9001, 51.5887**, and if you desaturate by 10%, it is **28.7052, 43.0995, 52.3195**.

# Distribution



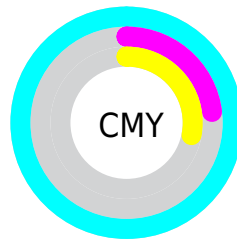
- Red (0%)
- Green (77%)
- Blue (72%)



- Red (0%)
- Yellow (40%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2872, 42.8988, 51.5891 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 28.2872, 42.8988, 51.5891 by changing the saturation by 10% instead.



■ 28.2872, 42.8988,  
51.5891

■ 28.2872, 42.8988,  
51.5891

285.8920,  
358.1954, 409.7600

■ 18.6838, 29.8057,  
36.2977

■ 56.3481, 79.5581,  
93.9454

■ 11.5447, 19.6912,  
24.3727

■ 75.5363, 103.8932,  
121.8473

■ 6.5044, 12.1708,  
15.3955

■ 98.6502, 132.7443,  
154.7898

■ 3.1977, 6.8601,  
8.9478

■ 126.0551,  
166.4959, 193.1914

■ 1.2592, 3.3747,  
4.6108

■ 158.1164,  
205.5325, 237.4707

■ 0.1523, 1.3304,  
1.9660

195.1994,

■ 0.0000, 0.1645,

250.2383, 288.0462

0.5343

237.6695,  
300.9978, 345.3364

■ 0.0000, 0.0000,  
0.0000

■ 28.2872, 42.8988,  
51.5891

■ 28.2872, 42.8988,  
51.5891

■ 28.2877, 42.9001,  
51.5887

■ 28.7052, 43.0995,  
52.3195

■ 29.4070, 43.4455,  
53.0688

■ 30.4939, 43.9898,  
53.8427

■ 32.0176, 44.7591,  
54.6436

■ 34.0219, 45.7761,  
55.4736

■ 36.5453, 47.0605,  
56.3346

■ 39.6225, 48.6303,  
57.2280

■ 43.2849, 50.5016,  
58.1555

■ 47.5618, 52.6895,  
59.1184

# Harmonies

## Analogous

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



29.1233, 42.8988, 32.4575



28.2872, 42.8988, 51.5891



30.4599, 42.8988, 75.3092

# Triad

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



28.2872, 42.8988, 51.5891



49.8153, 42.8988, 87.2578



46.6244, 42.8988, 18.5266

# Complementary

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



28.2872, 42.8988, 51.5891



22.8390, 11.7661, 1.4494

# 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.



53.1876, 42.8988, 26.4582



28.2872, 42.8988, 51.5891



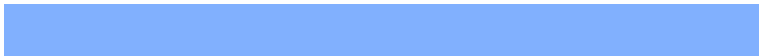
55.1791, 42.8988, 64.6208

# Square

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



28.2872, 42.8988, 51.5891



42.4440, 42.8988, 99.5404



56.4819, 42.8988, 42.1477



39.1484, 42.8988, 16.9406



# Rectangle

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



28.2872, 42.8988, 51.5891



33.4961, 42.8988, 89.3582



56.4819, 42.8988, 42.1477



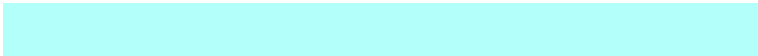
49.0365, 42.8988, 20.3917

# Sweetspot

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



28.2885, 42.9004, 51.5901



71.4785, 87.9416, 103.5875



19.9083, 39.5676, 6.5891



14.7660, 18.5509, 22.0223



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.



28.2885, 42.9004, 51.5901



51.2046, 77.6978, 93.2502



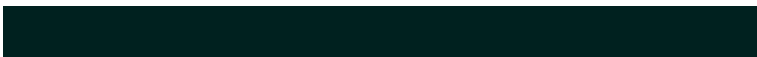
15.6583, 15.3733, 54.3684



10.3388, 11.4166, 12.7872



18.1881, 27.5693, 33.2133



0.7947, 1.1947, 1.4816



# Inverse Universe

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



22.8390, 11.7661, 1.4494



41.3405, 21.3002, 2.4594



26.0110, 18.2263, 2.1482



10.0997, 10.0885, 10.6156



14.6859, 7.5641, 0.9923

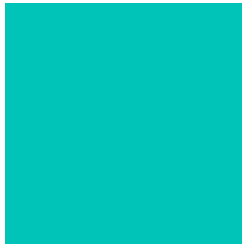


0.6441, 0.3306, 0.0930



# Previews

## White Background



This preview shows how the XYZ color 28.2872, 42.8988, 51.5891 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 28.2872, 42.8988, 51.5891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

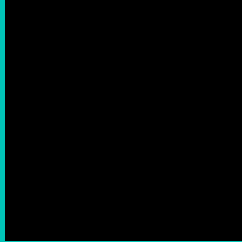
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

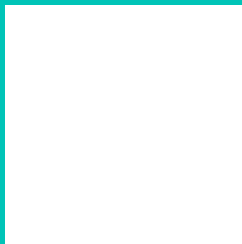
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.2872, 42.8988, 51.5891**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2872, 42.8988, 51.5891.



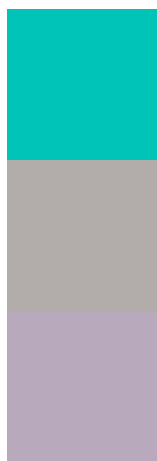
This preview shows how white text looks on a background with the XYZ color 28.2872, 42.8988,



# 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

28.2872, 42.8988, 51.5891

### Protanopia

40.5594, 42.2544, 44.0484

### Deuteranopia

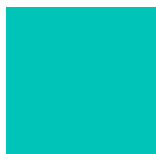
43.1404, 42.2404, 54.0236



## Tritanopia

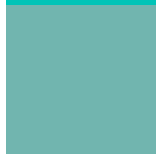
31.3615, 42.8342, 66.2894

# Trichromacy



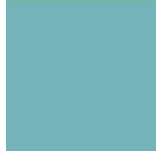
## Original Color

28.2872, 42.8988, 51.5891



## Protanomaly

31.0718, 39.6536, 46.5737



## Deuteranomaly

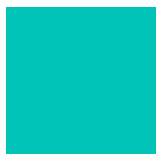
32.4259, 39.6100, 52.9502



## Tritanomaly

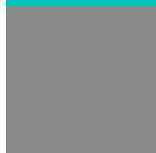
29.8855, 42.5247, 60.6658

# Monochromacy



## Original Color

28.2872, 42.8988, 51.5891



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

21.9071, 28.7799, 34.5374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2872, 42.8988, 51.5891 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, 196, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 183)  
}
```

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, 196, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2872, 42.8988, 51.5891 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, 196, 183) }
```



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

```
.border{ border-color:rgb(0, 196, 183) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2872, 42.8988, 51.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 183) }
```

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

```
.background{ background-color: rgb(0, 196,  
183) }
```

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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