

Converting Colors

XYZ(8.0451, 33.5080, 47.8737)

Have a look what the booklet for
XYZ(8.0451, 33.5080, 47.8737)
contains.

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Color

**XYZ(28.3592, 44.0212,
48.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7B1
RGB	0, 199, 177
RGB Percent	0%, 78%, 69%
CMY	0.9999, 0.2196, 0.3059
CMYK	1.00, 0.00, 0.11, 0.22
HSL	173°, 100%, 39%
HSV	173°, 100%, 78%
XYZ	28.3592, 44.0212, 48.5972
YIQ	136.9910, -111.5420, -49.0300

Conversions

Conversions Part 2

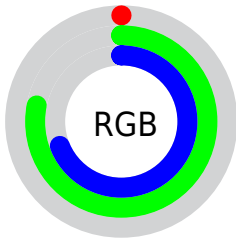
Format	Color
RYB	0, 105, 199
Decimal	51121
CIELab	72.24, -46.25, -0.70
CIELCh	72, 46.252, 180.868
Yxy	44.0212, 0.2344, 0.3639
Android (android.graphics.Color)	4278241201 (0xFF00C7B1)
YUV	136.9910, 19.7244, -120.1411
Hunter-Lab	66.3485, -39.8139, 3.0167

Details

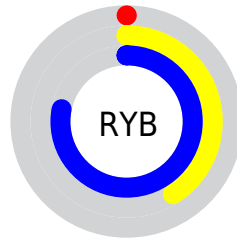
The XYZ color **28.3592, 44.0212, 48.5972** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.6995, 12.2012, 1.8666**, and the grayscale version is **23.7362, 24.9724, 27.1949**.

A 20% lighter version of the original color is **56.0615, 80.2868, 89.6329**, and **13.6749, 21.4272, 22.8172** is the 20% darker color. If you saturate the color by 10%, you get **28.3598, 44.0226, 48.5966**, and if you desaturate by 10%, it is **28.8683, 44.2591, 49.7763**.

Distribution



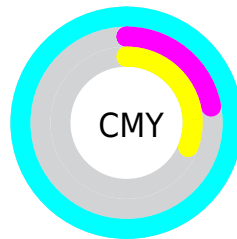
- Red (0%)
- Green (78%)
- Blue (69%)



- Red (0%)
- Yellow (41%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3592, 44.0212, 48.5972 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 28.3592, 44.0212, 48.5972 by changing the saturation by 10% instead.

■ 28.3592, 44.0212,
48.5972

■ 28.3592, 44.0212,
48.5972

286.2284,
362.7948, 397.7312

■ 18.7384, 30.6872,
33.9367

■ 56.4621, 81.2496,
89.4677

■ 11.5843, 20.3608,
22.5680

■ 75.6749, 105.9129,
116.5148

■ 6.5315, 12.6576,
14.0726

■ 98.8157, 135.1212,
148.5278

■ 3.2146, 7.1932,
8.0318

■ 126.2500,
169.2592, 185.9254

■ 1.2682, 3.5832,
4.0273

■ 158.3431,
208.7112, 229.1259

■ 0.1592, 1.4433,
1.6403

195.4602,

■ 0.0000, 0.2483,

253.8615, 278.5481

0.3193

237.9669,
305.0945, 334.6103

■ 0.0000, 0.0000,
0.0000

■ 28.3592, 44.0212,
48.5972

■ 28.3592, 44.0212,
48.5972

■ 28.3598, 44.0226,
48.5966

■ 28.8683, 44.2591,
49.7763

■ 29.6745, 44.6488,
50.9869

■ 30.8815, 45.2446,
52.2349

■ 32.5433, 46.0745,
53.5229

■ 34.7054, 47.1619,
54.8532

■ 37.4078, 48.5274,
56.2275

■ 40.6863, 50.1895,
57.6479

■ 44.5739, 52.1652,
59.1157

■ 49.1008, 54.4700,
60.6326

Harmonies

Analogous

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



29.8739, 44.0212, 29.6447



28.3592, 44.0212, 48.5972



30.0591, 44.0212, 74.0404

Triad

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



28.3592, 44.0212, 48.5972



50.1710, 44.0212, 96.0968



49.7201, 44.0212, 18.9892

Complementary

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



28.3592, 44.0212, 48.5972



23.6995, 12.2012, 1.8666

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.



56.3576, 44.0212, 28.8195



28.3592, 44.0212, 48.5972



56.6403, 44.0212, 72.5175

Square

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



28.3592, 44.0212, 48.5972



42.0726, 44.0212, 106.2739



59.0339, 44.0212, 47.2721



41.6099, 44.0212, 16.1623

Rectangle

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



28.3592, 44.0212, 48.5972



32.9281, 44.0212, 90.4659



59.0339, 44.0212, 47.2721



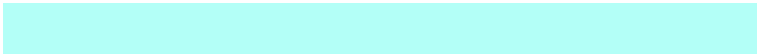
52.2321, 44.0212, 21.3901

Sweetspot

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



28.3605, 44.0229, 48.5982



70.9528, 87.7313, 100.8190



20.7832, 41.0334, 6.8257



14.6383, 18.4999, 21.3499



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.



28.3605, 44.0229, 48.5982



49.5980, 77.0552, 84.7898



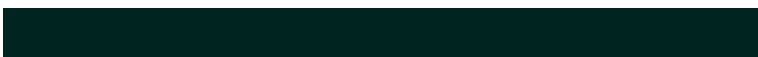
17.3590, 18.2228, 56.6372



10.8942, 12.0466, 13.3932



18.2555, 28.3146, 31.3535



0.8792, 1.3466, 1.5625

Inverse Universe

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



23.6995, 12.2012, 1.8666



41.4520, 21.3448, 3.0462



26.1595, 17.3532, 1.9716



10.6808, 10.6557, 11.3022



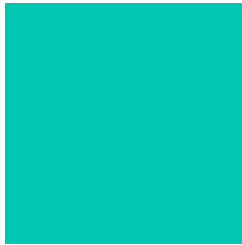
15.2548, 7.8515, 1.2857



0.7388, 0.3783, 0.1474

Previews

White Background



This preview shows how the XYZ color 28.3592, 44.0212, 48.5972 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 28.3592, 44.0212, 48.5972 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

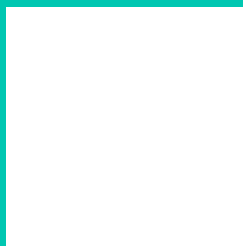
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3592, 44.0212, 48.5972

Background



This preview shows how black text looks on a background with the XYZ color 28.3592, 44.0212, 48.5972.

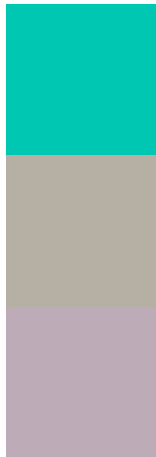


This preview shows how white text looks on a background with the XYZ color 28.3592, 44.0212,

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

28.3592, 44.0212, 48.5972

Protanopia

41.3222, 43.2854, 41.2990

Deuteranopia

44.0964, 43.3635, 50.8456



Tritanopia

32.3408, 43.9668, 67.7547

Trichromacy



Original Color

28.3592, 44.0212, 48.5972



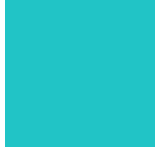
Protanomaly

31.5044, 40.8586, 43.7622



Deuteranomaly

32.6101, 40.3770, 49.7909



Tritanomaly

30.5602, 43.8804, 60.2852

Monochromacy



Original Color

28.3592, 44.0212, 48.5972



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.1688, 29.4348, 34.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3592, 44.0212, 48.5972 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, 199, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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, 199, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 177) }
```

Border

The CSS property to change the border of an element to XYZ 28.3592, 44.0212, 48.5972 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, 199, 177) }
```


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

```
.border{ border-color:rgb(0, 199, 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, 199, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3592, 44.0212, 48.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 177) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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