

Converting Colors

XYZ(28.8662, 43.1289, 54.6428)

Have a look what the booklet for
XYZ(28.8662, 43.1289, 54.6428)
contains.

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Color

**XYZ(28.8170, 43.1107,
54.3793)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4BC
RGB	0, 196, 188
RGB Percent	0%, 77%, 74%
CMY	0.9999, 0.2314, 0.2627
CMYK	1.00, 0.00, 0.04, 0.23
HSL	178°, 100%, 38%
HSV	178°, 100%, 77%
XYZ	28.8170, 43.1107, 54.3793
YIQ	136.4840, -114.2480, -44.0400

Conversions

Conversions Part 2

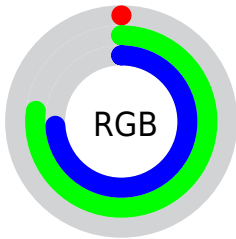
Format	Color
RYB	0, 100, 196
Decimal	50364
CIELab	71.63, -41.82, -7.59
CIELCh	72, 42.502, 190.292
Yxy	43.1107, 0.2282, 0.3413
Android (android.graphics.Color)	4278240444 (0xFF00C4BC)
YUV	136.4840, 25.3974, -119.6965
Hunter-Lab	65.6587, -36.5608, -3.1435

Details

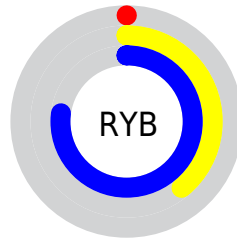
The XYZ color **28.8170, 43.1107, 54.3793** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.8101, 11.7545, 1.2974**, and the grayscale version is **23.5261, 24.7513, 26.9542**.

A 20% lighter version of the original color is **57.0479, 79.6658, 97.9582**, and **13.8981, 20.7990, 26.2038** is the 20% darker color. If you saturate the color by 10%, you get **28.8177, 43.1120, 54.3795**, and if you desaturate by 10%, it is **29.1855, 43.2916, 54.8492**.

Distribution



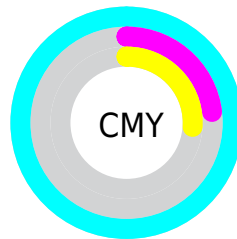
- Red (0%)
- Green (77%)
- Blue (74%)



- Red (0%)
- Yellow (39%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8170, 43.1107, 54.3793 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 28.8170, 43.1107, 54.3793 by changing the saturation by 10% instead.

■ 28.8170, 43.1107,
54.3793

■ 28.8170, 43.1107,
54.3793

288.3603,
359.0668, 420.7702

■ 19.0860, 29.9720,
38.5098

■ 57.1858, 79.8779,
98.0929

■ 11.8368, 19.8173,
26.0737

■ 76.5543, 104.2751,
126.7741

■ 6.7041, 12.2623,
16.6525

■ 99.8660, 133.1940,
160.5629

■ 3.3224, 6.9226,
9.8277

■ 127.4863,
167.0189, 199.8779

■ 1.3265, 3.4137,
5.1808

■ 159.7805,
206.1343, 245.1376

■ 0.2029, 1.3514,
2.2931

197.1140,

■ 0.0000, 0.1805,

250.9245, 296.7605

0.7274

239.8522,
301.7738, 355.1652

■ 0.0000, 0.0000,
0.0000

■ 28.8170, 43.1107,
54.3793

■ 28.8170, 43.1107,
54.3793

■ 28.8177, 43.1120,
54.3795

■ 29.1855, 43.2916,
54.8492

■ 29.8371, 43.6175,
55.3338

■ 30.8729, 44.1413,
55.8390

■ 32.3447, 44.8899,
56.3670

■ 34.2964, 45.8858,
56.9201

■ 36.7664, 47.1489,
57.4999

■ 39.7893, 48.6969,
58.1081

■ 43.3967, 50.5462,
58.7462

■ 47.6178, 52.7118,
59.4155

Harmonies

Analogous

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



29.2843, 43.1107, 34.8083



28.8170, 43.1107, 54.3793



31.3044, 43.1107, 77.5007

Triad

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



28.8170, 43.1107, 54.3793



50.5870, 43.1107, 84.1037



45.8193, 43.1107, 18.6512

Complementary

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



28.8170, 43.1107, 54.3793



22.8101, 11.7545, 1.2974

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.



52.4575, 43.1107, 25.7003



28.8170, 43.1107, 54.3793



55.4254, 43.1107, 61.6068

Square

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



28.8170, 43.1107, 54.3793



43.4967, 43.1107, 97.7005



56.1474, 43.1107, 40.2125



38.5535, 43.1107, 17.7562

Rectangle

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



28.8170, 43.1107, 54.3793



34.4956, 43.1107, 90.4390



56.1474, 43.1107, 40.2125



48.2198, 43.1107, 20.2551

Sweetspot

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



28.8183, 43.1123, 54.3803



71.7861, 88.0647, 105.2075



19.8639, 39.5447, 6.5870



14.8409, 18.5809, 22.4166



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.



28.8183, 43.1123, 54.3803



52.1786, 78.0874, 98.3791



15.3079, 14.6726, 54.2516



10.3502, 11.4211, 12.8475



18.5241, 27.7037, 34.9824



0.8060, 1.1992, 1.5410

Inverse Universe

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



22.8101, 11.7545, 1.2974



41.2971, 21.2828, 2.2304



26.2738, 18.7520, 2.2357



10.0895, 10.0844, 10.5618



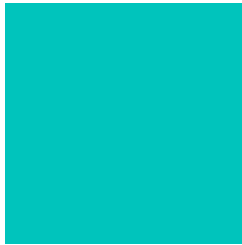
14.6634, 7.5551, 0.8738



0.6394, 0.3288, 0.0686

Previews

White Background



This preview shows how the XYZ color 28.8170, 43.1107, 54.3793 looks on a white background.

Color Contrast Check

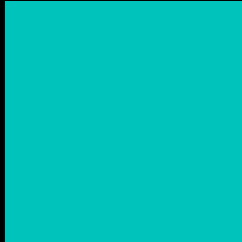
Large Text (above 18pt) WCAG AA × Fail

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 28.8170, 43.1107, 54.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

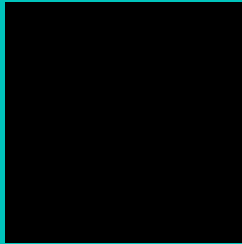
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

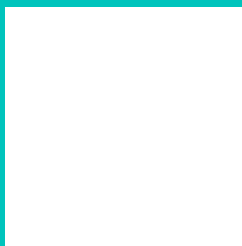
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8170, 43.1107, 54.3793

Background



This preview shows how black text looks on a background with the XYZ color 28.8170, 43.1107, 54.3793.

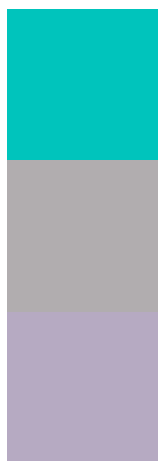


This preview shows how white text looks on a background with the XYZ color 28.8170, 43.1107,

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

28.8170, 43.1107, 54.3793

Protanopia

40.8129, 42.3294, 46.5768

Deuteranopia

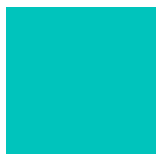
43.4037, 42.5896, 56.9719



Tritanopia

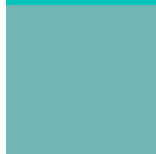
31.5334, 43.2356, 67.0049

Trichromacy



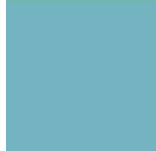
Original Color

28.8170, 43.1107, 54.3793



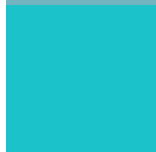
Protanomaly

31.5721, 39.8537, 49.2085



Deuteranomaly

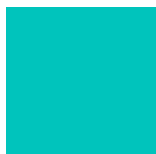
32.8370, 39.7590, 55.8127



Tritanomaly

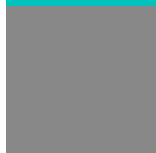
30.2864, 43.0336, 61.9684

Monochromacy



Original Color

28.8170, 43.1107, 54.3793



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.0737, 28.8465, 35.4149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8170, 43.1107, 54.3793 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.8170, 43.1107, 54.3793 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, 188) }
```


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

```
.border{ border-color:rgb(0, 196, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8170, 43.1107, 54.3793 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, 188) }
```

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

```
.background{ background-color: rgb(0, 196,  
188) }
```

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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