

Converting Colors

XYZ(29.1078, 43.7935, 54.6979)

Have a look what the booklet for
XYZ(29.1078, 43.7935, 54.6979)
contains.

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Color

**XYZ(29.2712, 44.0190,
54.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6BC
RGB	0, 198, 188
RGB Percent	0%, 78%, 74%
CMY	0.9998, 0.2235, 0.2627
CMYK	1.00, 0.00, 0.05, 0.22
HSL	177°, 100%, 39%
HSV	177°, 100%, 78%
XYZ	29.2712, 44.0190, 54.5307
YIQ	137.6580, -114.7980, -45.0860

Conversions

Conversions Part 2

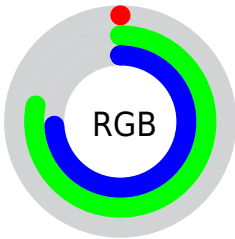
Format	Color
RYB	0, 102, 198
Decimal	50876
CIELab	72.24, -42.70, -6.69
CIELCh	72, 43.217, 188.901
Yxy	44.0190, 0.2290, 0.3444
Android (android.graphics.Color)	4278240956 (0xFF00C6BC)
YUV	137.6580, 24.8186, -120.7261
Hunter-Lab	66.3468, -37.3555, -2.2879

Details

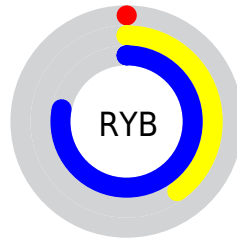
The XYZ color **29.2712, 44.0190, 54.5307** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.3449, 12.0291, 1.3798**, and the grayscale version is **23.9723, 25.2207, 27.4653**.

A 20% lighter version of the original color is **57.7981, 80.9947, 98.1752**, and **14.1956, 21.3942, 26.3030** is the 20% darker color. If you saturate the color by 10%, you get **29.2718, 44.0203, 54.5306**, and if you desaturate by 10%, it is **29.6655, 44.2107, 55.1151**.

Distribution



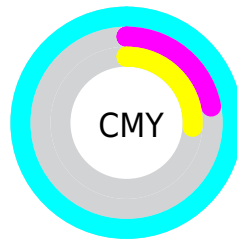
- Red (0%)
- Green (78%)
- Blue (74%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2712, 44.0190, 54.5307 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 29.2712, 44.0190, 54.5307 by changing the saturation by 10% instead.

■ 29.2712, 44.0190,
54.5307

■ 29.2712, 44.0190,
54.5307

290.4636,
362.7858, 421.3622

■ 19.4314, 30.6854,
38.6301

■ 57.9023, 81.2463,
98.3173

■ 12.0883, 20.3594,
26.1664

■ 77.4242, 105.9089,
127.0403

■ 6.8764, 12.6566,
16.7213

■ 100.9043,
135.1166, 160.8744

■ 3.4306, 7.1925,
9.8761

■ 128.7078,
169.2538, 200.2384

■ 1.3853, 3.5828,
5.2124

■ 161.2002,
208.7050, 245.5506

■ 0.2457, 1.4430,
2.3115

198.7467,

■ 0.0000, 0.2481,

253.8544, 297.2296

0.7376

241.7127,
305.0866, 355.6939

■ 0.0000, 0.0000,
0.0000

■ 29.2712, 44.0190,
54.5307

■ 29.2712, 44.0190,
54.5307

■ 29.2718, 44.0203,
54.5306

■ 29.6655, 44.2107,
55.1151

■ 30.3504, 44.5512,
55.7160

■ 31.4289, 45.0945,
56.3393

■ 32.9541, 45.8680,
56.9874

■ 34.9709, 46.8949,
57.6624

■ 37.5189, 48.1955,
58.3662

■ 40.6334, 49.7881,
59.1005

■ 44.3469, 51.6893,
59.8668

■ 48.6893, 53.9147,
60.6665

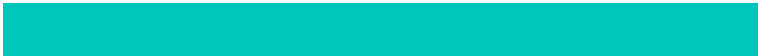
Harmonies

Analogous

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



29.8937, 44.0190, 34.6781



29.2712, 44.0190, 54.5307



31.6922, 44.0190, 78.4261

Triad

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



29.2712, 44.0190, 54.5307



51.4490, 44.0190, 87.2608



47.1856, 44.0190, 19.0296

Complementary

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



29.2712, 44.0190, 54.5307



23.3449, 12.0291, 1.3798

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.



53.9481, 44.0190, 26.5832



29.2712, 44.0190, 54.5307



56.6048, 44.0190, 64.1875

Square

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



29.2712, 44.0190, 54.5307



44.0844, 44.0190, 100.6662



57.5697, 44.0190, 41.8832



39.6707, 44.0190, 17.8417

Rectangle

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



29.2712, 44.0190, 54.5307



34.8961, 44.0190, 92.1002



57.5697, 44.0190, 41.8832



49.6461, 44.0190, 20.7722

Sweetspot

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



29.2725, 44.0207, 54.5318



71.6689, 88.0178, 104.5902



20.3645, 40.4770, 6.7407



14.8123, 18.5695, 22.2663



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.



29.2725, 44.0207, 54.5318



51.8046, 77.9378, 96.4095



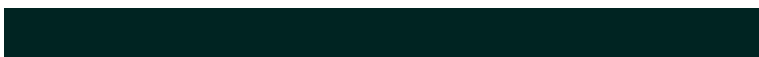
16.0123, 15.7144, 55.6171



10.9227, 12.0580, 13.5430



19.0453, 28.6305, 35.5129



0.9091, 1.3586, 1.7199

Inverse Universe

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



23.3449, 12.0291, 1.3798



41.3119, 21.2888, 2.3086



26.6035, 18.6338, 2.1957



10.6552, 10.6455, 11.1677



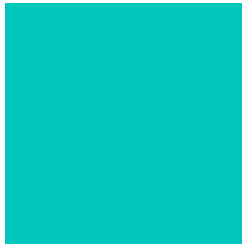
15.1904, 7.8257, 0.9467



0.7270, 0.3736, 0.0856

Previews

White Background



This preview shows how the XYZ color 29.2712, 44.0190, 54.5307 looks on a white background.

Color Contrast Check

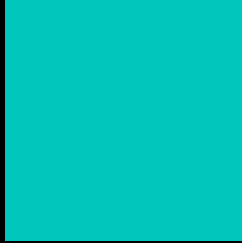
Large Text (above 18pt) WCAG AA × Fail

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 29.2712, 44.0190, 54.5307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

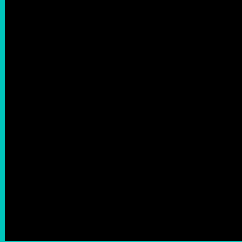
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

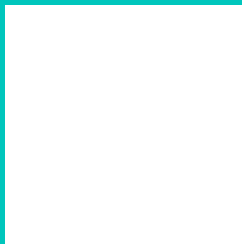
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2712, 44.0190, 54.5307

Background



This preview shows how black text looks on a background with the XYZ color 29.2712, 44.0190, 54.5307.

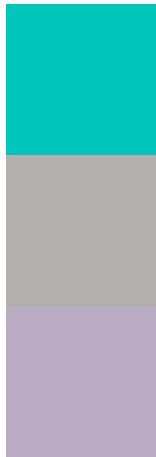


This preview shows how white text looks on a background with the XYZ color 29.2712, 44.0190,

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

29.2712, 44.0190, 54.5307

Protanopia

41.5604, 43.2996, 46.2116

Deuteranopia

44.3081, 43.3351, 57.0682



Tritanopia

32.1867, 44.2188, 67.8114

Trichromacy



Original Color

29.2712, 44.0190, 54.5307



Protanomaly

32.0096, 40.6991, 48.8164



Deuteranomaly

33.5095, 40.7051, 55.9599



Tritanomaly

30.8795, 43.9910, 62.7407

Monochromacy



Original Color

29.2712, 44.0190, 54.5307



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.5961, 29.6166, 35.9781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2712, 44.0190, 54.5307 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, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 188) }
```

Border

The CSS property to change the border of an element to XYZ 29.2712, 44.0190, 54.5307 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, 198, 188) }
```


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

```
.border{ border-color:rgb(0, 198, 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, 198, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2712, 44.0190, 54.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 188) }
```

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

```
.background{ background-color: rgb(0, 198,  
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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