

Converting Colors

XYZ(29.9256, 44.2588, 58.0446)

Have a look what the booklet for
XYZ(29.9256, 44.2588, 58.0446)
contains.

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Color

**XYZ(29.9317, 44.2832,
58.0089)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6C2
RGB	0, 198, 194
RGB Percent	0%, 78%, 76%
CMY	0.9998, 0.2235, 0.2392
CMYK	1.00, 0.00, 0.02, 0.22
HSL	179°, 100%, 39%
HSV	179°, 100%, 78%
XYZ	29.9317, 44.2832, 58.0089
YIQ	138.3420, -116.7240, -43.2200

Conversions

Conversions Part 2

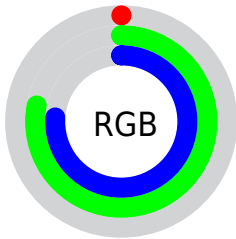
Format	Color
RYB	0, 100, 198
Decimal	50882
CIELab	72.42, -40.94, -9.69
CIELCh	72, 42.067, 193.318
Yxy	44.2832, 0.2264, 0.3349
Android (android.graphics.Color)	4278240962 (0xFF00C6C2)
YUV	138.3420, 27.4394, -121.3259
Hunter-Lab	66.5456, -36.1669, -5.1021

Details

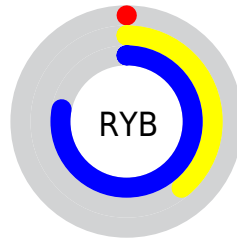
The XYZ color **29.9317, 44.2832, 58.0089** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.3121, 12.0159, 1.2068**, and the grayscale version is **24.2238, 25.4853, 27.7535**.

A 20% lighter version of the original color is **58.7242, 81.3652, 103.0524**, and **14.6302, 21.5680, 28.5913** is the 20% darker color. If you saturate the color by 10%, you get **29.9324, 44.2845, 58.0094**, and if you desaturate by 10%, it is **30.2628, 44.4497, 58.2604**.

Distribution



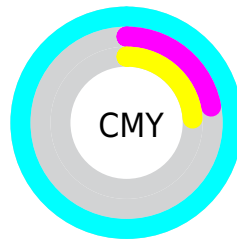
- Red (0%)
- Green (78%)
- Blue (76%)



- Red (0%)
- Yellow (39%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9317, 44.2832, 58.0089 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 29.9317, 44.2832, 58.0089 by changing the saturation by 10% instead.

■ 29.9317, 44.2832,
58.0089

■ 29.9317, 44.2832,
58.0089

293.5015,
363.8627, 434.8183

■ 19.9346, 30.8932,
41.4011

■ 58.9415, 81.6437,
103.4507

■ 12.4555, 20.5175,
28.3105

■ 78.6849, 106.3830,
133.1218

■ 7.1291, 12.7718,
18.3188

■ 102.4078,
135.6743, 167.9843

■ 3.5900, 7.2716,
11.0073

■ 130.4755,
169.9018, 208.4569

■ 1.4729, 3.6325,
5.9575

■ 163.2533,
209.4500, 254.9580

■ 0.3073, 1.4702,
2.7509

201.1067,

■ 0.0000, 0.2676,

254.7033, 307.9063

0.9689

244.4010,
306.0460, 367.7202

■ 0.0000, 0.0000,
0.0000

■ 29.9317, 44.2832,
58.0089

■ 29.9317, 44.2832,
58.0089

■ 29.9324, 44.2845,
58.0094

■ 30.2628, 44.4497,
58.2604

■ 30.8839, 44.7646,
58.5251

■ 31.8980, 45.2822,
58.8088

■ 33.3581, 46.0296,
59.1140

■ 35.3092, 47.0302,
59.4428

■ 37.7909, 48.3043,
59.7971

■ 40.8384, 49.8701,
60.1785

■ 44.4843, 51.7443,
60.5886

■ 48.7585, 53.9424,
61.0287

Harmonies

Analogous

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



30.1007, 44.2832, 37.6423



29.9317, 44.2832, 58.0089



32.7420, 44.2832, 81.1130

Triad

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



29.9317, 44.2832, 58.0089



52.3941, 44.2832, 83.4790



46.2188, 44.2832, 19.1972

Complementary

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



29.9317, 44.2832, 58.0089



23.3121, 12.0159, 1.2068

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.



53.0664, 44.2832, 25.6894



29.9317, 44.2832, 58.0089



56.9023, 44.2832, 60.6067

Square

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



29.9317, 44.2832, 58.0089



45.3829, 44.2832, 98.4237



57.1616, 44.2832, 39.5939



38.9601, 44.2832, 18.8708

Rectangle

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



29.9317, 44.2832, 58.0089



36.1364, 44.2832, 93.3994



57.1616, 44.2832, 39.5939



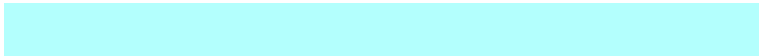
48.6637, 44.2832, 20.6222

Sweetspot

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



29.9330, 44.2849, 58.0100



72.0370, 88.1650, 106.5287



20.2781, 40.4324, 6.7367



14.9020, 18.6054, 22.7386



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.



29.9330, 44.2849, 58.0100



52.9911, 78.4124, 102.6578



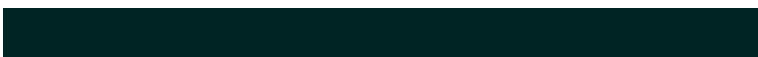
15.3090, 14.3078, 55.3826



10.9371, 12.0637, 13.6190



19.4693, 28.8001, 37.7452



0.9249, 1.3649, 1.8031

Inverse Universe

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



23.3121, 12.0159, 1.2068



41.2682, 21.2713, 2.0787



27.1537, 19.7342, 2.3792



10.6424, 10.6404, 11.1003



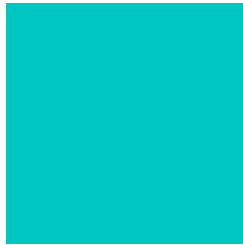
15.1633, 7.8149, 0.8040



0.7211, 0.3713, 0.0544

Previews

White Background



This preview shows how the XYZ color 29.9317, 44.2832, 58.0089 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 29.9317, 44.2832, 58.0089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

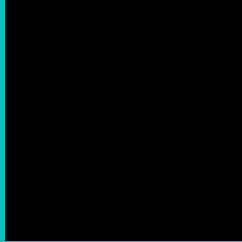
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

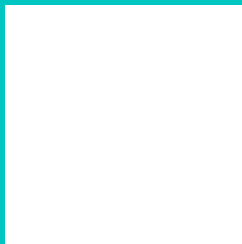
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9317, 44.2832, 58.0089

Background



This preview shows how black text looks on a background with the XYZ color 29.9317, 44.2832, 58.0089.

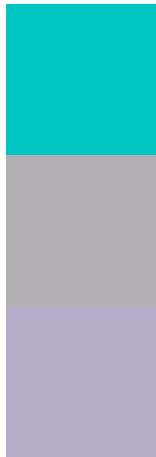


This preview shows how white text looks on a background with the XYZ color 29.9317, 44.2832,

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

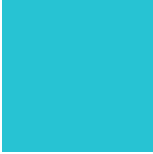
29.9317, 44.2832, 58.0089

Protanopia

41.9283, 43.4202, 49.3511

Deuteranopia

44.4693, 43.6203, 60.7194



Tritanopia

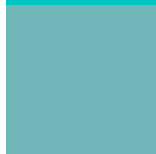
32.1097, 44.1647, 68.4603

Trichromacy



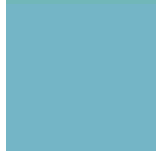
Original Color

29.9317, 44.2832, 58.0089



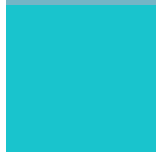
Protanomaly

32.5005, 40.8805, 52.0767



Deuteranomaly

33.9194, 40.8380, 59.5209



Tritanomaly

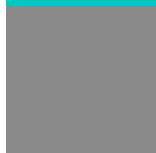
31.1603, 44.0943, 64.6263

Monochromacy



Original Color

29.9317, 44.2832, 58.0089



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.7669, 29.6849, 36.8776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9317, 44.2832, 58.0089 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 194) }
```

Border

The CSS property to change the border of an element to XYZ 29.9317, 44.2832, 58.0089 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, 194) }
```


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

```
.border{ border-color:rgb(0, 198, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9317, 44.2832, 58.0089 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, 194) }
```

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

```
.background{ background-color: rgb(0, 198,  
194) }
```

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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