

Converting Colors

XYZ(25.7516, 43.1408, 44.3819)

Have a look what the booklet for
XYZ(25.7516, 43.1408, 44.3819)
contains.

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Color

**XYZ(27.8157, 44.1731,
44.5963)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8A9
RGB	0, 200, 169
RGB Percent	0%, 78%, 66%
CMY	0.9999, 0.2157, 0.3372
CMYK	1.00, 0.00, 0.16, 0.22
HSL	171°, 100%, 39%
HSV	171°, 100%, 78%
XYZ	27.8157, 44.1731, 44.5963
YIQ	136.6660, -109.2490, -52.0410

Conversions

Conversions Part 2

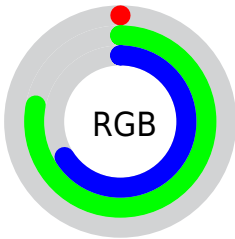
Format	Color
RYB	0, 108, 200
Decimal	51369
CIELab	72.34, -48.83, 3.79
CIELCh	72, 48.979, 175.563
Yxy	44.1731, 0.2386, 0.3789
Android (android.graphics.Color)	4278241449 (0xFF00C8A9)
YUV	136.6660, 15.9407, -119.8561
Hunter-Lab	66.4628, -41.6050, 6.7406

Details

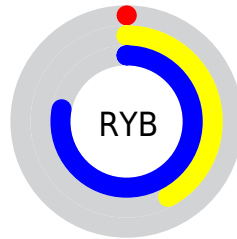
The XYZ color **27.8157, 44.1731, 44.5963** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.0683, 12.3796, 2.4196**, and the grayscale version is **23.6272, 24.8577, 27.0700**.

A 20% lighter version of the original color is **54.6940, 79.7266, 83.0271**, and **13.3363, 21.5352, 20.2834** is the 20% darker color. If you saturate the color by 10%, you get **27.8161, 44.1744, 44.5949**, and if you desaturate by 10%, it is **28.4003, 44.4415, 46.1624**.

Distribution



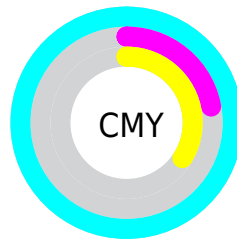
- Red (0%)
- Green (78%)
- Blue (66%)



- Red (0%)
- Yellow (42%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8157, 44.1731, 44.5963 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 27.8157, 44.1731, 44.5963 by changing the saturation by 10% instead.

■ 27.8157, 44.1731,
44.5963

■ 27.8157, 44.1731,
44.5963

283.6813,
363.4142, 381.2484

■ 18.3265, 30.8066,
30.7989

■ 55.6008, 81.4782,
83.4263

■ 11.2858, 20.4516,
20.1886

■ 74.6274, 106.1855,
109.2960

■ 6.3281, 12.7238,
12.3468

■ 97.5638, 135.4420,
140.0269

■ 3.0881, 7.2386,
6.8549

■ 124.7755,
169.6319, 176.0376

■ 1.2005, 3.6118,
3.2945

■ 156.6277,
209.1397, 217.7465

■ 0.1068, 1.4589,
1.2469

193.4858,

■ 0.0000, 0.2595,

254.3497, 265.5723

0.0177

235.7152,
305.6464, 319.9334

■ 0.0000, 0.0000,
0.0000

■ 27.8157, 44.1731,
44.5963

■ 27.8157, 44.1731,
44.5963

■ 27.8161, 44.1744,
44.5949

■ 28.4003, 44.4415,
46.1624

■ 29.2891, 44.8648,
47.7780

■ 30.5868, 45.4982,
49.4493

■ 32.3480, 46.3697,
51.1791

■ 34.6189, 47.5031,
52.9697

■ 37.4399, 48.9192,
54.8233

■ 40.8475, 50.6370,
56.7418

■ 44.8748, 52.6734,
58.7270

■ 49.5527, 55.0443,
60.7805

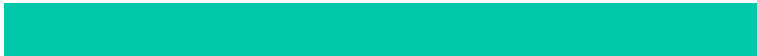
Harmonies

Analogous

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



29.9908, 44.1731, 26.3410



27.8157, 44.1731, 44.5963



29.0005, 44.1731, 71.0246

Triad

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



27.8157, 44.1731, 44.5963



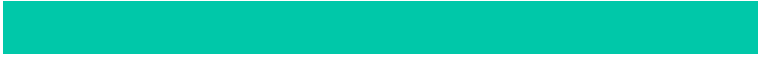
49.3712, 44.1731, 103.2688



51.8292, 44.1731, 19.0816

Complementary

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



27.8157, 44.1731, 44.5963



24.0683, 12.3796, 2.4196

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.



58.3615, 44.1731, 30.7254



27.8157, 44.1731, 44.5963



56.8144, 44.1731, 79.3952

Square

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



27.8157, 44.1731, 44.5963



40.7444, 44.1731, 110.7713



60.2974, 44.1731, 51.7763



43.2510, 44.1731, 15.0836

Rectangle

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



27.8157, 44.1731, 44.5963



31.6334, 44.1731, 89.4150



60.2974, 44.1731, 51.7763



54.3798, 44.1731, 21.9920

Sweetspot

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



27.8169, 44.1748, 44.5973



70.4339, 87.5238, 98.0866



21.2939, 41.6393, 6.9158



14.5126, 18.4496, 20.6880



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.



27.8169, 44.1748, 44.5973



48.0859, 76.4504, 76.8274



18.8610, 21.0404, 57.7126



10.8733, 12.0382, 13.2831



17.7129, 28.0975, 28.4963



0.8583, 1.3383, 1.4525

Inverse Universe

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



24.0683, 12.3796, 2.4196



41.6151, 21.4100, 3.9052



25.8091, 16.2572, 1.7786



10.6998, 10.6633, 11.4024



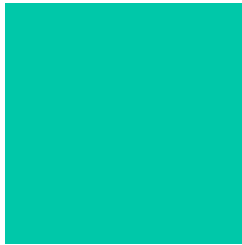
15.3240, 7.8792, 1.6500



0.7474, 0.3818, 0.1932

Previews

White Background



This preview shows how the XYZ color 27.8157, 44.1731, 44.5963 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 27.8157, 44.1731, 44.5963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

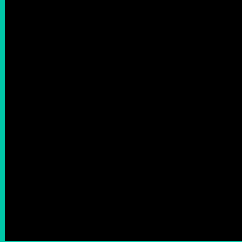
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

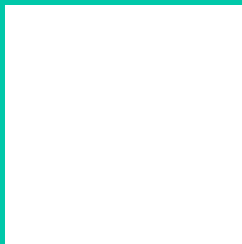
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8157, 44.1731, 44.5963

Background



This preview shows how black text looks on a background with the XYZ color 27.8157, 44.1731, 44.5963.



This preview shows how white text looks on a background with the XYZ color 27.8157, 44.1731,

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

27.8157, 44.1731, 44.5963

Protanopia

41.2932, 43.6413, 37.6997

Deuteranopia

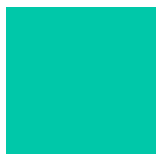
44.1049, 43.1821, 46.5678



Tritanopia

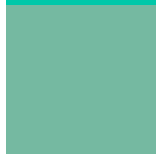
32.5555, 44.0775, 67.7647

Trichromacy



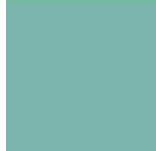
Original Color

27.8157, 44.1731, 44.5963



Protanomaly

31.1181, 41.0530, 40.0021



Deuteranomaly

32.2351, 40.2758, 45.6102



Tritanomaly

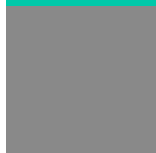
30.3178, 43.7951, 58.4851

Monochromacy



Original Color

27.8157, 44.1731, 44.5963



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.9261, 29.3378, 32.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8157, 44.1731, 44.5963 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, 200, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 169)  
}
```

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, 200, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 169) }
```

Border

The CSS property to change the border of an element to XYZ 27.8157, 44.1731, 44.5963 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, 200, 169) }
```


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

```
.border{ border-color:rgb(0, 200, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8157, 44.1731, 44.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 169) }
```

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

```
.background{ background-color: rgb(0, 200,  
169) }
```

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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