

Converting Colors

XYZ(27.5544, 44.6099, 41.5513)

Have a look what the booklet for
XYZ(27.5544, 44.6099, 41.5513)
contains.

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Color

**XYZ(27.4082, 44.3819,
41.3044)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9A2
RGB	0, 201, 162
RGB Percent	0%, 79%, 64%
CMY	0.9999, 0.2118, 0.3647
CMYK	1.00, 0.00, 0.19, 0.21
HSL	168°, 100%, 39%
HSV	168°, 100%, 79%
XYZ	27.4082, 44.3819, 41.3044
YIQ	136.4550, -107.2770, -54.7410

Conversions

Conversions Part 2

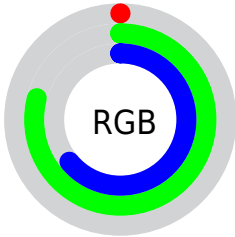
Format	Color
RYB	0, 111, 201
Decimal	51618
CIELab	72.48, -51.06, 7.78
CIELCh	72, 51.649, 171.340
Yxy	44.3819, 0.2423, 0.3924
Android (android.graphics.Color)	4278241698 (0xFF00C9A2)
YUV	136.4550, 12.5937, -119.6710
Hunter-Lab	66.6197, -43.1474, 9.8739

Details

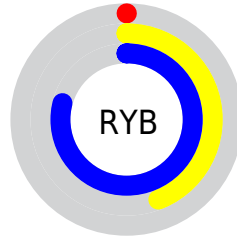
The XYZ color **27.4082, 44.3819, 41.3044** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.4552, 12.5652, 3.0582**, and the grayscale version is **23.5589, 24.7858, 26.9917**.

A 20% lighter version of the original color is **53.7639, 79.3545, 78.1289**, and **13.0934, 21.6836, 18.2471** is the 20% darker color. If you saturate the color by 10%, you get **27.4087, 44.3833, 41.3031**, and if you desaturate by 10%, it is **28.0524, 44.6744, 43.1739**.

Distribution



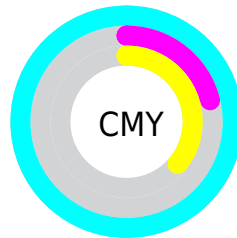
- Red (0%)
- Green (79%)
- Blue (64%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4082, 44.3819, 41.3044 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 27.4082, 44.3819, 41.3044 by changing the saturation by 10% instead.


 27.4082, 44.3819,
41.3044


 27.4082, 44.3819,
41.3044


281.7598,
364.2644, 367.3055


 18.0182, 30.9709,
28.2355


 54.9535, 81.7921,
78.4045


 11.0628, 20.5767,
18.2627


 73.8395, 106.5600,
103.2727


 6.1767, 12.8149,
10.9674


 96.6215, 135.8824,
132.9112

 2.9945, 7.3012,
5.9310

 123.6650,
170.1436, 167.7384

 1.1509, 3.6512,
2.7351

 155.3351,
209.7280, 208.1729

 0.0670, 1.4804,
0.9610

191.9974,

 0.0000, 0.2749,

255.0200, 254.6332

0.0000

234.0172,
306.4040, 307.5379

■ 0.0000, 0.0000,
0.0000

■ 27.4082, 44.3819,
41.3044

■ 27.4082, 44.3819,
41.3044

■ 27.4087, 44.3833,
41.3031

■ 28.0524, 44.6744,
43.1739

■ 29.0083, 45.1253,
45.1137

■ 30.3818, 45.7901,
47.1301

■ 32.2280, 46.6974,
49.2263

■ 34.5938, 47.8712,
51.4050

■ 37.5203, 49.3328,
53.6684

■ 41.0443, 51.1011,
56.0188

■ 45.1995, 53.1935,
58.4582

■ 50.0171, 55.6260,
60.9886

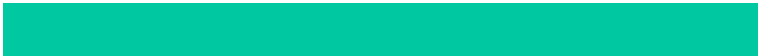
Harmonies

Analogous

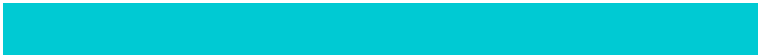
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1665, 44.3819, 23.6907



27.4082, 44.3819, 41.3044



28.1497, 44.3819, 68.4760

Triad

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



27.4082, 44.3819, 41.3044



48.7325, 44.3819, 109.9725



53.8209, 44.3819, 19.2375

Complementary

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



27.4082, 44.3819, 41.3044



24.4552, 12.5652, 3.0582

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.



60.2447, 44.3819, 32.5736



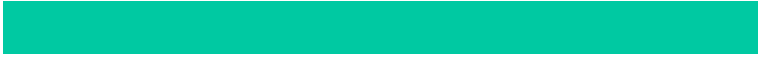
27.4082, 44.3819, 41.3044



57.0311, 44.3819, 85.9274

Square

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



27.4082, 44.3819, 41.3044



39.6555, 44.3819, 114.8983



61.4956, 44.3819, 56.0978



44.8171, 44.3819, 14.2307

Rectangle

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



27.4082, 44.3819, 41.3044



30.5804, 44.3819, 88.5342



61.4956, 44.3819, 56.0978



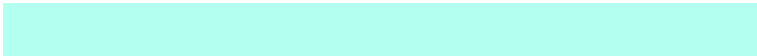
56.4035, 44.3819, 22.6141

Sweetspot

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



27.4094, 44.3836, 41.3054



69.9862, 87.3447, 95.7290



21.7712, 42.2304, 7.0046



14.4045, 18.4063, 20.1184



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.



27.4094, 44.3836, 41.3054



46.8417, 75.9527, 70.2755



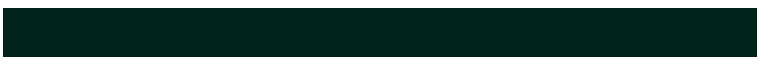
20.0255, 23.1817, 58.6793



10.8551, 12.0309, 13.1869



17.2655, 27.9186, 26.1402



0.8408, 1.3313, 1.3603

Inverse Universe

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



24.4552, 12.5652, 3.0582



41.8047, 21.4859, 4.9035



25.7210, 15.6832, 1.6723



10.7166, 10.6700, 11.4909



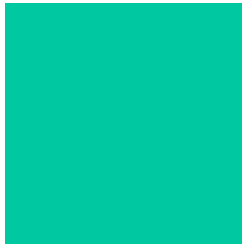
15.4015, 7.9102, 2.0582



0.7551, 0.3849, 0.2334

Previews

White Background



This preview shows how the XYZ color 27.4082, 44.3819, 41.3044 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 27.4082, 44.3819, 41.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

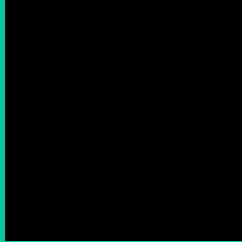
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

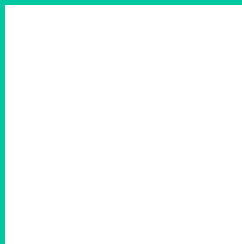
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4082, 44.3819, 41.3044

Background



This preview shows how black text looks on a background with the XYZ color 27.4082, 44.3819, 41.3044.

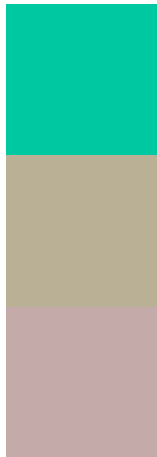


This preview shows how white text looks on a background with the XYZ color 27.4082, 44.3819,

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

27.4082, 44.3819, 41.3044

Protanopia

41.1998, 43.6597, 34.6895

Deuteranopia

44.3011, 43.3498, 43.5685



Tritanopia

32.7881, 44.1974, 67.7756

Trichromacy



Original Color

27.4082, 44.3819, 41.3044



Protanomaly

30.6529, 40.8826, 36.8474



Deuteranomaly

31.8643, 40.1609, 42.1488



Tritanomaly

30.3912, 44.1948, 57.3807

Monochromacy



Original Color

27.4082, 44.3819, 41.3044



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.6121, 29.2122, 31.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4082, 44.3819, 41.3044 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, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 162)  
}
```

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, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 162) }
```

Border

The CSS property to change the border of an element to XYZ 27.4082, 44.3819, 41.3044 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, 201, 162) }
```


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

```
.border{ border-color:rgb(0, 201, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4082, 44.3819, 41.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 162) }
```

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

```
.background{ background-color: rgb(0, 201,  
162) }
```

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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