

Converting Colors

XYZ(29.3392, 46.2843, 47.9895)

Have a look what the booklet for
XYZ(29.3392, 46.2843, 47.9895)
contains.

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Color

**XYZ(29.3307, 46.2809,
47.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCAF
RGB	0, 204, 175
RGB Percent	0%, 80%, 69%
CMY	0.9999, 0.2000, 0.3137
CMYK	1.00, 0.00, 0.14, 0.20
HSL	171°, 100%, 40%
HSV	171°, 100%, 80%
XYZ	29.3307, 46.2809, 47.9447
YIQ	139.6980, -112.2750, -52.2670

Conversions

Conversions Part 2

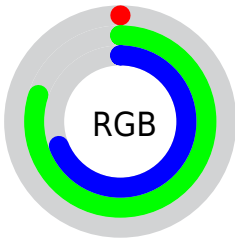
Format	Color
RYB	0, 110, 204
Decimal	52399
CIELab	73.73, -48.87, 2.55
CIELCh	74, 48.941, 177.018
Yxy	46.2809, 0.2374, 0.3746
Android (android.graphics.Color)	4278242479 (0xFF00CCAF)
YUV	139.6980, 17.4039, -122.5151
Hunter-Lab	68.0301, -42.0936, 5.8360

Details

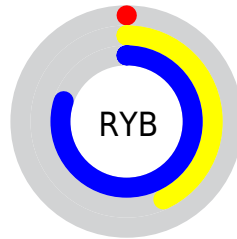
The XYZ color **29.3307, 46.2809, 47.9447** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.1252, 12.9273, 2.3353**, and the grayscale version is **24.7797, 26.0702, 28.3905**.

A 20% lighter version of the original color is **55.7518, 80.1762, 87.4000**, and **14.3226, 22.9250, 22.4090** is the 20% darker color. If you saturate the color by 10%, you get **29.3313, 46.2823, 47.9437**, and if you desaturate by 10%, it is **29.9170, 46.5510, 49.4765**.

Distribution



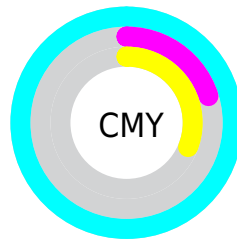
- Red (0%)
- Green (80%)
- Blue (69%)



- Red (0%)
- Yellow (43%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3307, 46.2809, 47.9447 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 29.3307, 46.2809, 47.9447 by changing the saturation by 10% instead.


 29.3307, 46.2809,
47.9447


 29.3307, 46.2809,
47.9447


290.7382,
371.9368, 395.0753


 19.4767, 32.4675,
33.4234


 57.9960, 84.6392,
88.4868

 12.1213, 21.7189,
22.1772


 77.5380, 109.9530,
115.3446


 6.8991, 13.6505,
13.7876


 101.0401,
139.8690, 147.1517

 3.4448, 7.8780,
7.8360

 128.8675,
174.7717, 184.3267

 1.3931, 4.0170,
3.9040

 161.3857,
215.0454, 227.2879

 0.2513, 1.6831,
1.5728

198.9600,

 0.0000, 0.4127,

261.0746, 276.4541

0.2713

241.9557,
313.2436, 332.2437

■ 0.0000, 0.0000,
0.0000

■ 29.3307, 46.2809,
47.9447

■ 29.3307, 46.2809,
47.9447

■ 29.3313, 46.2823,
47.9437

■ 29.9170, 46.5510,
49.4765

■ 30.8215, 46.9833,
51.0543

■ 32.1529, 47.6349,
52.6844

■ 33.9684, 48.5354,
54.3696

■ 36.3166, 49.7098,
56.1126

■ 39.2400, 51.1800,
57.9153

■ 42.7768, 52.9657,
59.7799

■ 46.9619, 55.0849,
61.7081

■ 51.8276, 57.5541,
63.7016

Harmonies

Analogous

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



31.4150, 46.2809, 28.5834



29.3307, 46.2809, 47.9447



30.7260, 46.2809, 75.3892

Triad

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



29.3307, 46.2809, 47.9447



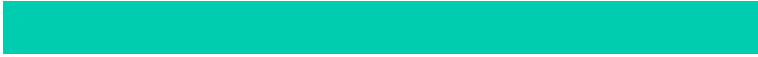
52.0189, 46.2809, 106.1333



53.7199, 46.2809, 19.9787

Complementary

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



29.3307, 46.2809, 47.9447



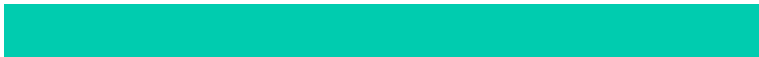
25.1252, 12.9273, 2.3353

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.



60.6054, 46.2809, 31.6392



29.3307, 46.2809, 47.9447



59.5361, 46.2809, 81.1680

Square

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



29.3307, 46.2809, 47.9447



43.1256, 46.2809, 114.8302



62.8614, 46.2809, 52.9213



44.8631, 46.2809, 16.1314

Rectangle

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



29.3307, 46.2809, 47.9447



33.5576, 46.2809, 94.1013



62.8614, 46.2809, 52.9213



56.3841, 46.2809, 22.8773

Sweetspot

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



29.3320, 46.2827, 47.9458



70.5829, 87.5834, 98.8712



22.1476, 43.4728, 7.2246



14.5487, 18.4640, 20.8779



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.



29.3320, 46.2827, 47.9458



48.5125, 76.6210, 79.0735



19.2343, 21.0289, 60.1740



11.4720, 12.6985, 14.0430



18.4871, 29.1401, 30.3137



0.9730, 1.5110, 1.6654

Inverse Universe

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



25.1252, 12.9273, 2.3353



41.5624, 21.3889, 3.6276



27.1829, 17.3979, 1.9262



11.2762, 11.2392, 11.9892



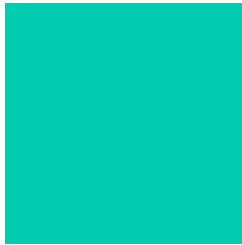
15.8339, 8.1442, 1.5781



0.8384, 0.4288, 0.1947

Previews

White Background



This preview shows how the XYZ color 29.3307, 46.2809, 47.9447 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 29.3307, 46.2809, 47.9447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

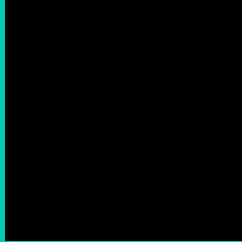
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

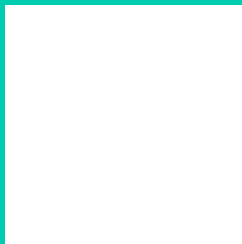
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3307, 46.2809, 47.9447

Background



This preview shows how black text looks on a background with the XYZ color 29.3307, 46.2809, 47.9447.

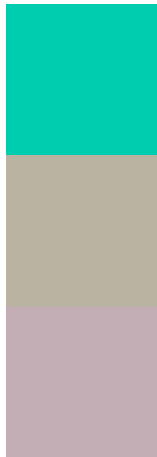


This preview shows how white text looks on a background with the XYZ color 29.3307, 46.2809,

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

29.3307, 46.2809, 47.9447

Protanopia

43.1352, 45.4136, 40.6747

Deuteranopia

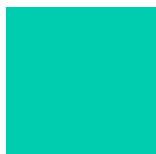
46.3445, 45.3853, 50.5736



Tritanopia

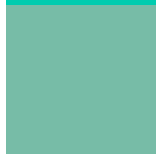
34.0907, 46.1352, 71.3982

Trichromacy



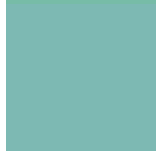
Original Color

29.3307, 46.2809, 47.9447



Protanomaly

32.5660, 42.6784, 43.0806



Deuteranomaly

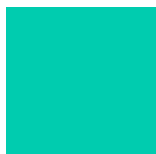
33.9431, 42.3126, 49.0260



Tritanomaly

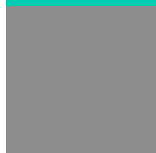
31.8072, 45.8538, 61.8178

Monochromacy



Original Color

29.3307, 46.2809, 47.9447



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.9668, 30.6181, 34.8364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3307, 46.2809, 47.9447 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, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 175)  
}
```

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, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.3307, 46.2809, 47.9447 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, 204, 175) }
```


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

```
.border{ border-color:rgb(0, 204, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3307, 46.2809, 47.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 175) }
```

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

```
.background{ background-color: rgb(0, 204,  
175) }
```

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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