

Converting Colors

XYZ(27.0111, 47.5584, 44.8638)

Have a look what the booklet for
XYZ(27.0111, 47.5584, 44.8638)
contains.

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Color

**XYZ(30.3621, 49.4157,
44.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3A8
RGB	0, 211, 168
RGB Percent	0%, 83%, 66%
CMY	0.9999, 0.1725, 0.3412
CMYK	1.00, 0.00, 0.20, 0.17
HSL	168°, 100%, 41%
HSV	168°, 100%, 83%
XYZ	30.3621, 49.4157, 44.9837
YIQ	143.0090, -111.9530, -58.1050

Conversions

Conversions Part 2

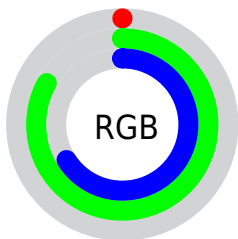
Format	Color
RYB	0, 117, 211
Decimal	54184
CIELab	75.71, -53.50, 9.16
CIELCh	76, 54.281, 170.282
Yxy	49.4157, 0.2434, 0.3961
Android (android.graphics.Color)	4278244264 (0xFF00D3A8)
YUV	143.0090, 12.3206, -125.4189
Hunter-Lab	70.2963, -45.9215, 11.2668

Details

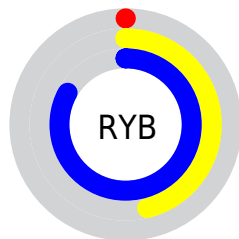
The XYZ color **30.3621, 49.4157, 44.9837** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.3017, 14.0245, 3.5560**, and the grayscale version is **26.0999, 27.4591, 29.9030**.

A 20% lighter version of the original color is **54.9050, 79.8510, 82.3310**, and **14.8737, 24.7036, 20.5074** is the 20% darker color. If you saturate the color by 10%, you get **30.3627, 49.4173, 44.9824**, and if you desaturate by 10%, it is **31.0825, 49.7412, 47.1450**.

Distribution



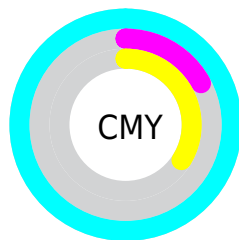
- Red (0%)
- Green (83%)
- Blue (66%)



- Red (0%)
- Yellow (46%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3621, 49.4157, 44.9837 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 30.3621, 49.4157, 44.9837 by changing the saturation by 10% instead.


 30.3621, 49.4157,
44.9837


 30.3621, 49.4157,
44.9837


295.4683,
384.3766, 382.8657


 20.2630, 34.9494,
31.1017


 59.6171, 89.3085,
84.0141


 12.6958, 23.6239,
20.4172

 79.5036, 115.5038,
109.9997


 7.2949, 15.0548,
12.5116


 103.3835,
146.3776, 140.8569

 3.6952, 8.8579,
6.9664

 131.6219,
182.3141, 177.0042

 1.5312, 4.6486,
3.3629

 164.5842,
223.6979, 218.8602

 0.3469, 2.0426,
1.2828

202.6358,

 0.0000, 0.6320,

270.9133, 266.8434

0.0476

246.1420,
324.3447, 321.3724

■ 0.0000, 0.0000,
0.0000

■ 30.3621, 49.4157,
44.9837

■ 30.3621, 49.4157,
44.9837

■ 30.3627, 49.4173,
44.9824

■ 31.0825, 49.7412,
47.1450

■ 32.1555, 50.2458,
49.3915

■ 33.6965, 50.9900,
51.7303

■ 35.7680, 52.0062,
54.1652

■ 38.4230, 53.3215,
56.6990

■ 41.7077, 54.9599,
59.3347

■ 45.6638, 56.9428,
62.0748

■ 50.3291, 59.2897,
64.9216

■ 55.7389, 62.0187,
67.8774

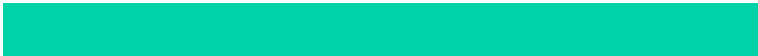
Harmonies

Analogous

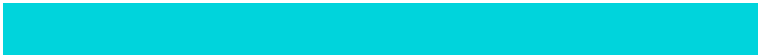
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6020, 49.4157, 25.5961



30.3621, 49.4157, 44.9837



31.0567, 49.4157, 75.3903

Triad

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



30.3621, 49.4157, 44.9837



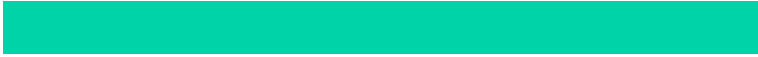
53.9995, 49.4157, 124.3146



60.4484, 49.4157, 21.4464

Complementary

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



30.3621, 49.4157, 44.9837



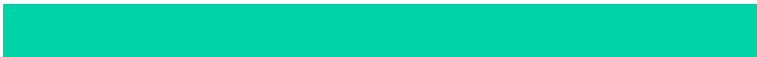
27.3017, 14.0245, 3.5560

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.



67.5547, 49.4157, 36.7919



30.3621, 49.4157, 44.9837



63.4783, 49.4157, 97.5491

Square

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



30.3621, 49.4157, 44.9837



43.7774, 49.4157, 128.9872



68.7364, 49.4157, 63.7108



50.3102, 49.4157, 15.5842

Rectangle

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



30.3621, 49.4157, 44.9837



33.7001, 49.4157, 98.1727



68.7364, 49.4157, 63.7108



63.3285, 49.4157, 25.3419

Sweetspot

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



30.3635, 49.4176, 44.9849



69.8754, 87.3004, 95.1454



24.4101, 47.1650, 7.8179



14.3777, 18.3956, 19.9776



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.



30.3635, 49.4176, 44.9849



46.5426, 75.8330, 68.7003



22.8616, 26.9095, 65.6194



12.0508, 13.3641, 14.6240



18.3610, 29.8373, 27.3447



1.0534, 1.6790, 1.6698

Inverse Universe

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



27.3017, 14.0245, 3.5560



41.8592, 21.5077, 5.1909



28.4706, 17.0604, 1.7931



11.9059, 11.8471, 12.7802



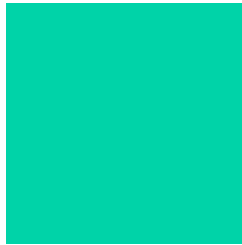
16.5055, 8.4750, 2.3023



0.9521, 0.4855, 0.2823

Previews

White Background



This preview shows how the XYZ color 30.3621, 49.4157, 44.9837 looks on a white background.

Color Contrast Check

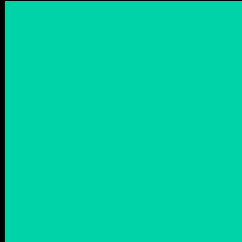
Large Text (above 18pt) WCAG AA × Fail

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 30.3621, 49.4157, 44.9837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

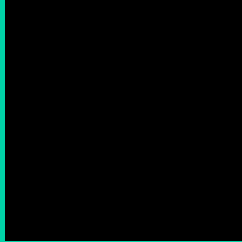
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

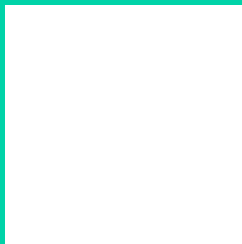
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3621, 49.4157, 44.9837

Background



This preview shows how black text looks on a background with the XYZ color 30.3621, 49.4157, 44.9837.

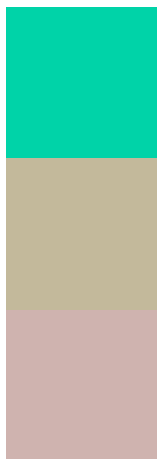


This preview shows how white text looks on a background with the XYZ color 30.3621, 49.4157,

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

30.3621, 49.4157, 44.9837

Protanopia

45.7710, 48.6666, 37.9915

Deuteranopia

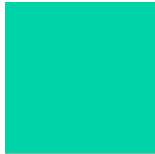
49.5901, 48.6007, 47.3246



Tritanopia

36.6255, 49.4430, 75.3232

Trichromacy



Original Color

30.3621, 49.4157, 44.9837



Protanomaly

33.9491, 45.4067, 40.2328



Deuteranomaly

35.5929, 45.1457, 45.8678



Tritanomaly

33.7699, 49.3141, 62.9971

Monochromacy



Original Color

30.3621, 49.4157, 44.9837



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.9845, 32.4964, 34.7141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3621, 49.4157, 44.9837 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, 211, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 168)  
}
```

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, 211, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.3621, 49.4157, 44.9837 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, 211, 168) }
```


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

```
.border{ border-color:rgb(0, 211, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3621, 49.4157, 44.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 168) }
```

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

```
.background{ background-color: rgb(0, 211,  
168) }
```

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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