

Converting Colors

XYZ(26.5369, 49.2776, 41.6157)

Have a look what the booklet for
XYZ(26.5369, 49.2776, 41.6157)
contains.

XYZ(30.9889, 51.6849, 42.0611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9889, 51.6849,
42.0611)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8A1
RGB	0, 216, 161
RGB Percent	0%, 85%, 63%
CMY	0.9999, 0.1529, 0.3686
CMYK	1.00, 0.00, 0.25, 0.15
HSL	165°, 100%, 42%
HSV	165°, 100%, 85%
XYZ	30.9889, 51.6849, 42.0611
YIQ	145.1460, -111.0810, -62.8970

Conversions

Conversions Part 2

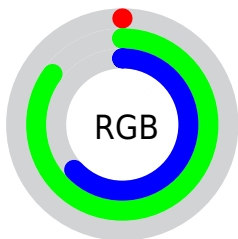
Format	Color
RYB	0, 124, 216
Decimal	55457
CIELab	77.09, -57.13, 14.84
CIELCh	77, 59.023, 165.433
Yxy	51.6849, 0.2484, 0.4144
Android (android.graphics.Color)	4278245537 (0xFF00D8A1)
YUV	145.1460, 7.8160, -127.2930
Hunter-Lab	71.8922, -48.8695, 15.6365

Details

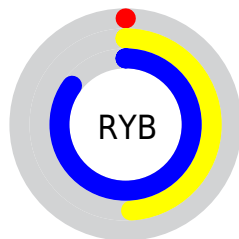
The XYZ color **30.9889, 51.6849, 42.0611** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.0106, 14.8763, 4.9609**, and the grayscale version is **26.9789, 28.3839, 30.9101**.

A 20% lighter version of the original color is **53.9804, 79.4811, 77.4621**, and **15.3311, 26.2457, 18.7259** is the 20% darker color. If you saturate the color by 10%, you get **30.9892, 51.6864, 42.0586**, and if you desaturate by 10%, it is **31.8087, 52.0515, 44.6892**.

Distribution



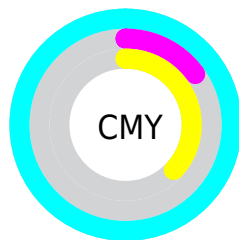
- Red (0%)
- Green (85%)
- Blue (63%)



- Red (0%)
- Yellow (49%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9889, 51.6849, 42.0611 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 30.9889, 51.6849, 42.0611 by changing the saturation by 10% instead.


 30.9889, 51.6849,
42.0611


 30.9889, 51.6849,
42.0611


298.3150,
393.2189, 370.5433


 20.7422, 36.7540,
28.8232


 60.5986, 92.6664,
79.5632


 13.0471, 25.0171,
18.7027


 80.6922, 119.4857,
104.6644


 7.5382, 16.0898,
11.2810


 104.7989,
151.0366, 134.5573

 3.8502, 9.5877,
6.1396

 133.2839,
187.7035, 169.6601

 1.6177, 5.1265,
2.8600

 166.5127,
229.8708, 210.3916

 0.4039, 2.3216,
1.0236

204.8506,

 0.0000, 0.7851,

277.9229, 257.1703

0.0000

248.6629,
332.2441, 310.4147

■ 0.0000, 0.0000,
0.0000

■ 30.9889, 51.6849,
42.0611

■ 30.9889, 51.6849,
42.0611

■ 30.9892, 51.6864,
42.0586

■ 31.8087, 52.0515,
44.6892

■ 33.0095, 52.6108,
47.4467

■ 34.7118, 53.4260,
50.3420

■ 36.9822, 54.5316,
53.3793

■ 39.8768, 55.9564,
56.5627

■ 43.4449, 57.7257,
59.8957

■ 47.7305, 59.8623,
63.3818

■ 52.7741, 62.3869,
67.0239

■ 58.6129, 65.3189,
70.8252

Harmonies

Analogous

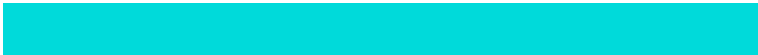
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2426, 51.6849, 22.9846



30.9889, 51.6849, 42.0611



31.0514, 51.6849, 74.4675

Triad

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



30.9889, 51.6849, 42.0611



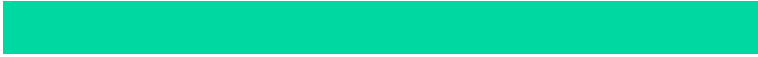
55.1227, 51.6849, 139.8427



65.9616, 51.6849, 22.6209

Complementary

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



30.9889, 51.6849, 42.0611



29.0106, 14.8763, 4.9609

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.



73.1244, 51.6849, 41.3183



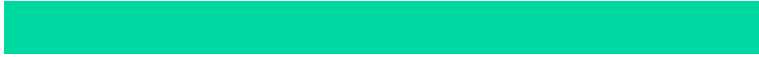
30.9889, 51.6849, 42.0611



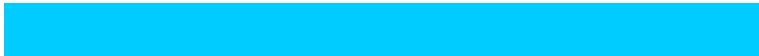
66.2443, 51.6849, 112.0531

Square

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



30.9889, 51.6849, 42.0611



43.8720, 51.6849, 140.2892



73.2351, 51.6849, 73.3794



54.7813, 51.6849, 15.0365

Rectangle

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



30.9889, 51.6849, 42.0611



33.4942, 51.6849, 100.4893



73.2351, 51.6849, 73.3794



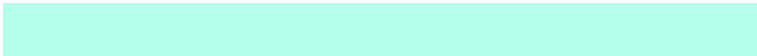
68.9896, 51.6849, 27.4106

Sweetspot

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



30.9903, 51.6869, 42.0623



69.3054, 87.0724, 92.1440



26.2800, 50.0018, 8.2671



14.2405, 18.3407, 19.2549



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.



30.9903, 51.6869, 42.0623



45.0608, 75.2403, 60.8972



25.9609, 32.0890, 69.7935



12.6508, 14.0513, 15.2415



18.3875, 30.6104, 25.1343



1.1416, 1.8593, 1.6874

Inverse Universe

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



29.0106, 14.8763, 4.9609



42.1924, 21.6410, 6.9453



29.4789, 16.9172, 1.7125



12.5517, 12.4722, 13.5797



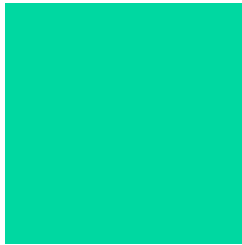
17.2074, 8.8193, 3.1302



1.0716, 0.5454, 0.3666

Previews

White Background



This preview shows how the XYZ color 30.9889, 51.6849, 42.0611 looks on a white background.

Color Contrast Check

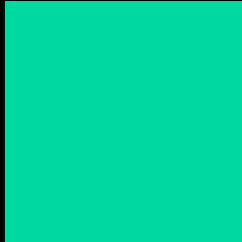
Large Text (above 18pt) WCAG AA × Fail

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 30.9889, 51.6849, 42.0611 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

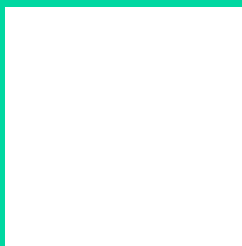
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9889, 51.6849, 42.0611

Background



This preview shows how black text looks on a background with the XYZ color 30.9889, 51.6849, 42.0611.

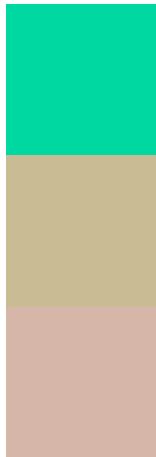


This preview shows how white text looks on a background with the XYZ color 30.9889, 51.6849,

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

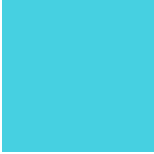
30.9889, 51.6849, 42.0611

Protanopia

47.4159, 50.5221, 35.2696

Deuteranopia

51.6209, 50.6166, 44.5854



Tritanopia

38.6723, 51.8501, 79.2040

Trichromacy



Original Color

30.9889, 51.6849, 42.0611



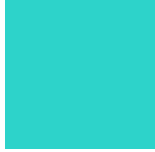
Protanomaly

34.8459, 47.2773, 37.4258



Deuteranomaly

36.3281, 46.5710, 43.1508



Tritanomaly

35.0371, 51.4107, 63.9537

Monochromacy



Original Color

30.9889, 51.6849, 42.0611



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.5625, 33.6355, 34.4759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9889, 51.6849, 42.0611 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, 216, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 161)  
}
```

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, 216, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 161) }
```

Border

The CSS property to change the border of an element to XYZ 30.9889, 51.6849, 42.0611 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, 216, 161) }
```


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

```
.border{ border-color:rgb(0, 216, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9889, 51.6849, 42.0611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 161) }
```

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

```
.background{ background-color: rgb(0, 216,  
161) }
```

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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