

Converting Colors

XYZ(31.1303, 51.5317, 43.0382)

Have a look what the booklet for
XYZ(31.1303, 51.5317, 43.0382)
contains.

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Color

**XYZ(30.9989, 51.2904,
42.9166)**

Conversions

Conversions Part 1

Format	Color
Hex	07D7A3
RGB	7, 215, 163
RGB Percent	3%, 84%, 64%
CMY	0.9725, 0.1568, 0.3608
CMYK	0.97, 0.00, 0.24, 0.16
HSL	165°, 94%, 44%
HSV	165°, 97%, 84%
XYZ	30.9989, 51.2904, 42.9166
YIQ	146.8800, -107.2760, -60.2680

Conversions

Conversions Part 2

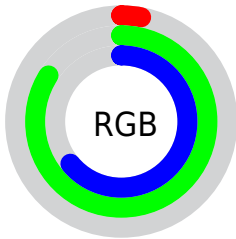
Format	Color
RYB	7, 126, 215
Decimal	513955
CIELab	76.85, -56.07, 13.45
CIELCh	77, 57.657, 166.506
Yxy	51.2904, 0.2476, 0.4096
Android (android.graphics.Color)	4278704035 (0xFF07D7A3)
YUV	146.8800, 7.9472, -122.6748
Hunter-Lab	71.6173, -48.0682, 14.6027

Details

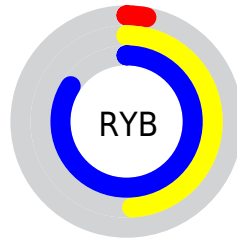
The XYZ color **30.9989, 51.2904, 42.9166** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.8917, 14.9161, 5.4976**, and the grayscale version is **27.6872, 29.1291, 31.7216**.

A 20% lighter version of the original color is **54.3587, 79.6461, 78.8379**, and **15.2674, 25.9440, 19.2419** is the 20% darker color. If you saturate the color by 10%, you get **30.7560, 51.1845, 42.0905**, and if you desaturate by 10%, it is **31.8978, 51.6983, 45.5282**.

Distribution



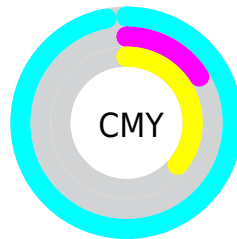
- Red (3%)
- Green (84%)
- Blue (64%)



- Red (3%)
- Yellow (49%)
- Blue (84%)



- Cyan (97%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (97%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9989, 51.2904, 42.9166 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 30.9989, 51.2904, 42.9166 by changing the saturation by 10% instead.


 30.9989, 51.2904,
42.9166


 30.9989, 51.2904,
42.9166


298.3602,
391.6910, 374.1798


 20.7498, 36.4398,
29.4888


 60.6142, 92.0839,
80.8700


 13.0527, 24.7740,
19.2021


 80.7111, 118.7955,
106.2326


 7.5421, 15.9088,
11.6381


 104.8214,
150.2297, 136.4106

 3.8527, 9.4596,
6.3782

 133.3104,
186.7706, 171.8225

 1.6191, 5.0422,
3.0039

 166.5434,
228.8029, 212.8868

 0.4048, 2.2720,
1.0966

204.8858,

 0.0000, 0.7588,

276.7107, 260.0221

0.0000

248.7029,
330.8786, 313.6469

■ 0.0000, 0.0000,
0.0000

■ 30.9989, 51.2904,
42.9166

■ 30.9989, 51.2904,
42.9166

■ 30.7560, 51.1845,
42.0905

■ 31.8978, 51.6983,
45.5282

■ 33.2339, 52.3278,
48.2672

■ 35.0884, 53.2221,
51.1400

■ 37.5230, 54.4131,
54.1506

■ 40.5907, 55.9280,
57.3028

■ 44.3384, 57.7909,
60.6000

■ 48.8084, 60.0237,
64.0452

■ 54.0397, 62.6463,
67.6415

■ 60.0680, 65.6773,
71.3918

Harmonies

Analogous

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



35.0076, 51.2904, 23.7603



30.9989, 51.2904, 42.9166



31.2113, 51.2904, 74.8032

Triad

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



30.9989, 51.2904, 42.9166



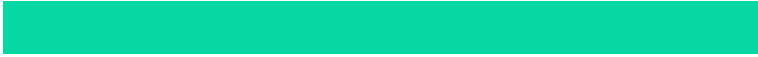
54.9841, 51.2904, 135.9750



64.7365, 51.2904, 22.5145

Complementary

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



30.9989, 51.2904, 42.9166



28.8917, 14.9161, 5.4976

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.



71.8689, 51.2904, 40.3980



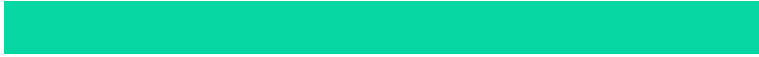
30.9989, 51.2904, 42.9166



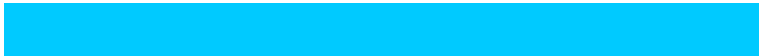
65.6869, 51.2904, 108.5220

Square

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



30.9989, 51.2904, 42.9166



43.9970, 51.2904, 137.4657



72.2408, 51.2904, 71.1430



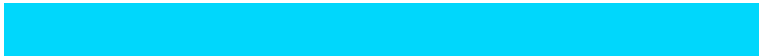
53.8335, 51.2904, 15.3224

Rectangle

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



30.9989, 51.2904, 42.9166



33.7004, 51.2904, 99.9821



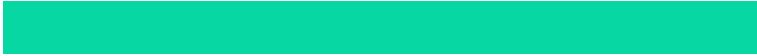
72.2408, 51.2904, 71.1430



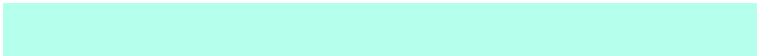
67.7215, 51.2904, 27.0923

Sweetspot

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



31.0003, 51.2924, 42.9178



70.0423, 87.4356, 92.9311



26.3570, 49.6580, 8.3975



14.3827, 18.4105, 19.4231



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.



31.0003, 51.2924, 42.9178



45.1906, 75.2922, 61.5808



26.0769, 32.3973, 69.1712



12.6533, 14.0523, 15.2549



18.4396, 30.6312, 25.4082



1.1444, 1.8604, 1.7020

Inverse Universe

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



28.8917, 14.9161, 5.4976



42.1585, 21.6274, 6.7670



29.4564, 17.2482, 1.9784



12.5494, 12.4712, 13.5672



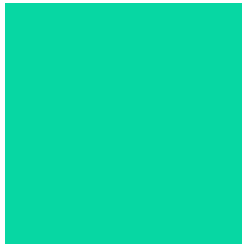
17.1928, 8.8134, 3.0535



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 30.9989, 51.2904, 42.9166 looks on a white background.

Color Contrast Check

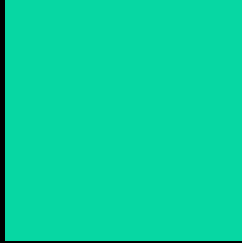
Large Text (above 18pt) WCAG AA × Fail

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 30.9989, 51.2904, 42.9166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

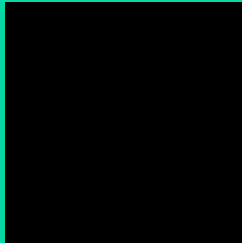
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

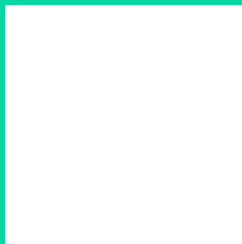
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9989, 51.2904, 42.9166

Background



This preview shows how black text looks on a background with the XYZ color 30.9989, 51.2904, 42.9166.



This preview shows how white text looks on a background with the XYZ color 30.9989, 51.2904,

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

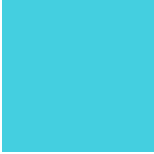
30.9989, 51.2904, 42.9166

Protanopia

47.3077, 50.4478, 36.0982

Deuteranopia

51.2201, 50.0962, 45.0001



Tritanopia

38.1513, 51.2364, 78.3998

Trichromacy



Original Color

30.9989, 51.2904, 42.9166



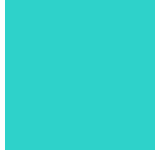
Protanomaly

35.3164, 47.5006, 38.3175



Deuteranomaly

36.5262, 46.3332, 43.5773



Tritanomaly

34.8340, 50.9383, 63.8732

Monochromacy



Original Color

30.9989, 51.2904, 42.9166



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.3262, 34.2918, 35.4211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9989, 51.2904, 42.9166 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(7, 215, 163)` looks like.

```
.text, #text, p{  
    color:rgb(7, 215, 163)  
}
```

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(7, 215, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 215, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.9989, 51.2904, 42.9166 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(7, 215, 163) }
```


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

```
.border{ border-color:rgb(7, 215, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 215, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 215, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 215, 163);  
box-shadow:4px 4px 4px 4px rgb(7, 215,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9989, 51.2904, 42.9166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 215, 163) }
```

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

```
.background{ background-color: rgb(7, 215,  
163) }
```

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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