

# Converting Colors

XYZ(30.0871, 49.5646, 42.7371)

Have a look what the booklet for  
XYZ(30.0871, 49.5646, 42.7371)  
contains.

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# Color

**XYZ(30.1543, 49.7313,  
42.6601)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00D4A3                        |
| RGB         | 0, 212, 163                   |
| RGB Percent | 0%, 83%, 64%                  |
| CMY         | 0.9999, 0.1686, 0.3608        |
| CMYK        | 1.00, 0.00, 0.23, 0.17        |
| HSL         | 166°, 100%, 42%               |
| HSV         | 166°, 100%, 83%               |
| XYZ         | 30.1543, 49.7313, 42.6601     |
| YIQ         | 143.0260, -110.6230, -60.1830 |

# Conversions

## Conversions Part 2

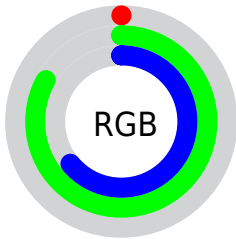
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 0, 120, 212                    |
| Decimal                             | 54435                          |
| CIELab                              | 75.90, -55.12, 12.11           |
| CIELCh                              | 76, 56.437, 167.611            |
| Yxy                                 | 49.7313, 0.2461,<br>0.4058     |
| Android<br>(android.graphics.Color) | 4278244515<br>(0xFF00D4A3)     |
| YUV                                 | 143.0260, 9.8472,<br>-125.4338 |
| Hunter-Lab                          | 70.5204, -47.0847,<br>13.4978  |

# Details

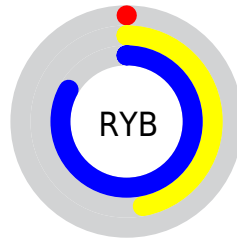
The XYZ color **30.1543, 49.7313, 42.6601** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.7076, 14.2201, 4.1930**, and the grayscale version is **26.1159, 27.4759, 29.9213**.

A 20% lighter version of the original color is **54.2406, 79.5852, 78.8324**, and **14.7577, 24.9246, 19.0720** is the 20% darker color. If you saturate the color by 10%, you get **30.1548, 49.7329, 42.6586**, and if you desaturate by 10%, it is **30.9172, 50.0741, 45.0339**.

# Distribution



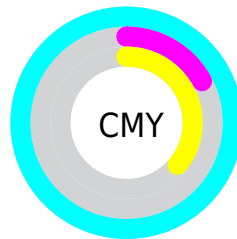
- Red (0%)
- Green (83%)
- Blue (64%)



- Red (0%)
- Yellow (47%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1543, 49.7313, 42.6601 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 30.1543, 49.7313, 42.6601 by changing the saturation by 10% instead.



30.1543, 49.7313,  
42.6601

30.1543, 49.7313,  
42.6601

294.5200,  
385.6142, 373.0921

20.1044, 35.1999,  
29.2891

59.2911, 89.7766,  
80.4785

12.5797, 23.8169,  
19.0522

79.1086, 116.0594,  
105.7630

7.2147, 15.1979,  
11.5308

102.9128,  
147.0281, 135.8558

3.6443, 8.9584,  
6.3064

131.0689,  
183.0671, 171.1753

1.5029, 4.7140,  
2.9605

163.9423,  
224.5608, 212.1402

0.3278, 2.0805,  
1.0745

201.8984,

0.0000, 0.6536,

271.8937, 259.1689

0.0000

245.3025,  
325.4500, 312.6800

■ 0.0000, 0.0000,  
0.0000

■ 30.1543, 49.7313,  
42.6601

■ 30.1543, 49.7313,  
42.6601

■ 30.1548, 49.7329,  
42.6586

■ 30.9172, 50.0741,  
45.0339

■ 32.0405, 50.5994,  
47.5134

■ 33.6406, 51.3686,  
50.1059

■ 35.7810, 52.4143,  
52.8154

■ 38.5152, 53.7640,  
55.6454

■ 41.8900, 55.4419,  
58.5990

■ 45.9477, 57.4698,  
61.6789

■ 50.7267, 59.8673,  
64.8881

■ 56.2626, 62.6530,  
68.2288

# Harmonies

## Analogous

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



33.8617, 49.7313, 23.7593



30.1543, 49.7313, 42.6601



30.5088, 49.7313, 73.6088

# Triad

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



30.1543, 49.7313, 42.6601



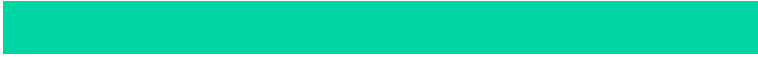
53.6478, 49.7313, 130.1357



62.2379, 49.7313, 21.6710

# Complementary

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



30.1543, 49.7313, 42.6601



27.7076, 14.2201, 4.1930

# 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.



69.2570, 49.7313, 38.4620



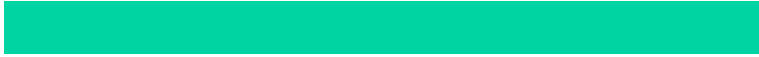
30.1543, 49.7313, 42.6601



63.8147, 49.7313, 103.2704

# Square

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



30.1543, 49.7313, 42.6601



43.0649, 49.7313, 132.5992



69.8734, 49.7313, 67.5349



51.7363, 49.7313, 15.0168



# Rectangle

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



30.1543, 49.7313, 42.6601



33.0024, 49.7313, 97.6921



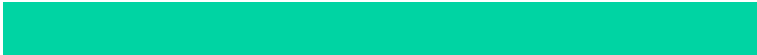
69.8734, 49.7313, 67.5349



65.1462, 49.7313, 25.9571

# Sweetspot

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



30.1557, 49.7332, 42.6613



69.5673, 87.1772, 93.5234



24.8347, 47.7538, 7.9092



14.3035, 18.3659, 19.5867



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.



30.1557, 49.7332, 42.6613



45.7299, 75.5080, 64.4207



23.6851, 28.3551, 66.5144



12.6637, 14.0565, 15.3093



18.6555, 30.7175, 26.5452



1.1558, 1.8650, 1.7622



# Inverse Universe

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



27.7076, 14.2201, 4.1930



42.0280, 21.5752, 6.0797



28.5936, 16.8798, 1.7518



12.5397, 12.4674, 13.5163



17.1364, 8.7909, 2.7563

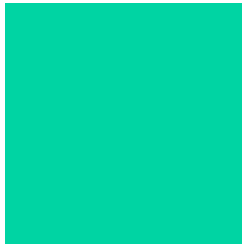


1.0659, 0.5431, 0.3364



# Previews

## White Background



This preview shows how the XYZ color 30.1543, 49.7313, 42.6601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

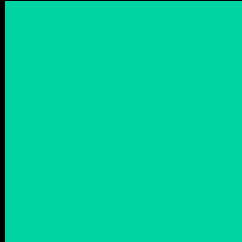
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.1543, 49.7313, 42.6601 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

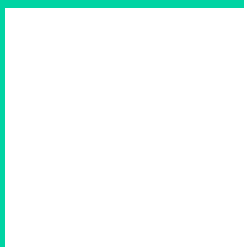
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 30.1543, 49.7313, 42.6601

## Background



This preview shows how black text looks on a background with the XYZ color 30.1543, 49.7313, 42.6601.



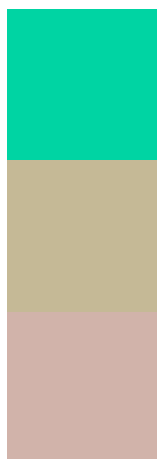
This preview shows how white text looks on a background with the XYZ color 30.1543, 49.7313,



# 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

30.1543, 49.7313, 42.6601

### Protanopia

45.8799, 48.7702, 35.8496

### Deuteranopia

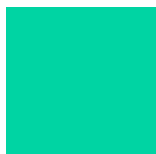
49.6703, 48.6978, 44.8119



## Tritanopia

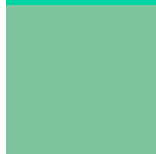
36.8908, 49.5644, 76.0292

# Trichromacy



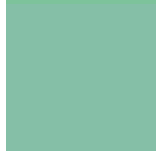
## Original Color

30.1543, 49.7313, 42.6601



## Protanomaly

33.8889, 45.7567, 38.0561



## Deuteranomaly

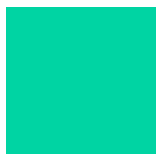
35.2787, 45.0382, 43.3931



## Tritanomaly

33.6930, 49.2880, 62.3813

# Monochromacy



## Original Color

30.1543, 49.7313, 42.6601



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

23.8220, 32.4314, 33.8585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1543, 49.7313, 42.6601 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, 212, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 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(0, 212, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1543, 49.7313, 42.6601 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, 212, 163) }
```



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

```
.border{ border-color:rgb(0, 212, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1543, 49.7313, 42.6601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 163) }
```

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

```
.background{ background-color: rgb(0, 212,  
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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