

Converting Colors

XYZ(28.5157, 49.6998, 42.6635)

Have a look what the booklet for
XYZ(28.5157, 49.6998, 42.6635)
contains.

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Color

**XYZ(30.6574, 50.7375,
42.8278)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6A3
RGB	0, 214, 163
RGB Percent	0%, 84%, 64%
CMY	0.9999, 0.1608, 0.3608
CMYK	1.00, 0.00, 0.24, 0.16
HSL	166°, 100%, 42%
HSV	166°, 100%, 84%
XYZ	30.6574, 50.7375, 42.8278
YIQ	144.2000, -111.1730, -61.2290

Conversions

Conversions Part 2

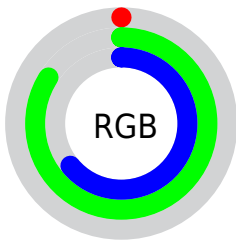
Format	Color
RYB	0, 121, 214
Decimal	54947
CIELab	76.52, -55.89, 12.98
CIELCh	77, 57.378, 166.927
Yxy	50.7375, 0.2468, 0.4084
Android (android.graphics.Color)	4278245027 (0xFF00D6A3)
YUV	144.2000, 9.2684, -126.4634
Hunter-Lab	71.2303, -47.8268, 14.2126

Details

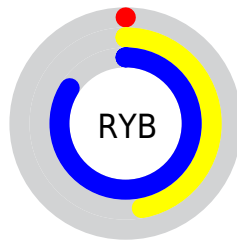
The XYZ color **30.6574, 50.7375, 42.8278** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.3310, 14.5365, 4.4476**, and the grayscale version is **26.5893, 27.9741, 30.4637**.

A 20% lighter version of the original color is **54.2406, 79.5852, 78.8324**, and **15.0961, 25.6014, 19.1848** is the 20% darker color. If you saturate the color by 10%, you get **30.6580, 50.7391, 42.8262**, and if you desaturate by 10%, it is **31.4432, 51.0900, 45.3000**.

Distribution



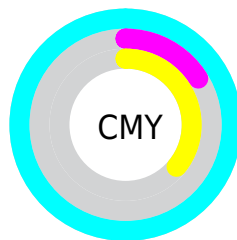
- Red (0%)
- Green (84%)
- Blue (64%)



- Red (0%)
- Yellow (47%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6574, 50.7375, 42.8278 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 30.6574, 50.7375, 42.8278 by changing the saturation by 10% instead.


 30.6574, 50.7375,
42.8278


 30.6574, 50.7375,
42.8278


296.8120,
389.5431, 373.8035


 20.4887, 35.9997,
29.4196


 60.0798, 91.2666,
80.7345


 12.8611, 24.4340,
19.1502

 80.0642, 117.8268,
106.0701


 7.4093, 15.6559,
11.6009


 104.0511,
149.0966, 136.2186

 3.7679, 9.2810,
6.3533

 132.4060,
185.4603, 171.5986

 1.5717, 4.9249,
2.9889

 165.4942,
227.3024, 212.6285

 0.3739, 2.2033,
1.0889

203.6810,

 0.0000, 0.7218,

275.0073, 259.7269

0.0000

247.3318,
328.9594, 313.3124

■ 0.0000, 0.0000,
0.0000

■ 30.6574, 50.7375,
42.8278

■ 30.6574, 50.7375,
42.8278

■ 30.6580, 50.7391,
42.8262

■ 31.4432, 51.0900,
45.3000

■ 32.5989, 51.6297,
47.8858

■ 34.2430, 52.4191,
50.5928

■ 36.4403, 53.4914,
53.4253

■ 39.2457, 54.8750,
56.3867

■ 42.7073, 56.5946,
59.4804

■ 46.8681, 58.6725,
62.7094

■ 51.7677, 61.1288,
66.0766

■ 57.4423, 63.9824,
69.5846

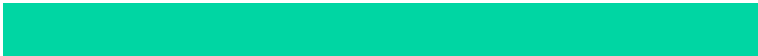
Harmonies

Analogous

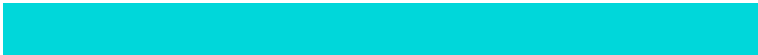
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5612, 50.7375, 23.7144



30.6574, 50.7375, 42.8278



30.9261, 50.7375, 74.4827

Triad

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



30.6574, 50.7375, 42.8278



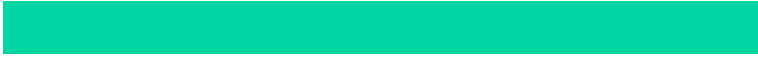
54.5425, 50.7375, 134.1520



63.8825, 50.7375, 22.1374

Complementary

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



30.6574, 50.7375, 42.8278



28.3310, 14.5365, 4.4476

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.



71.0049, 50.7375, 39.6418



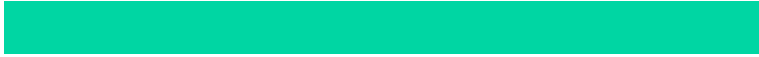
30.6574, 50.7375, 42.8278



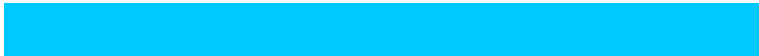
65.0840, 50.7375, 106.7762

Square

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



30.6574, 50.7375, 42.8278



43.6678, 50.7375, 136.0356



71.4749, 50.7375, 69.8553



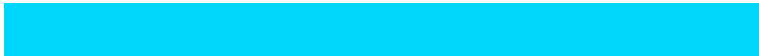
53.0876, 50.7375, 15.1453

Rectangle

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



30.6574, 50.7375, 42.8278



33.4251, 50.7375, 99.3582



71.4749, 50.7375, 69.8553



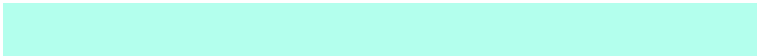
66.8516, 50.7375, 26.6110

Sweetspot

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



30.6588, 50.7395, 42.8290



69.4870, 87.1450, 93.1002



25.5432, 48.8660, 8.0865



14.2842, 18.3582, 19.4849



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.



30.6588, 50.7395, 42.8290



45.5224, 75.4250, 63.3283



24.7975, 30.1738, 68.1378



12.6597, 14.0549, 15.2886



18.5725, 30.6843, 26.1080



1.1514, 1.8632, 1.7391

Inverse Universe

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



28.3310, 14.5365, 4.4476



42.0764, 21.5945, 6.3342



29.0296, 16.8905, 1.7309



12.5434, 12.4688, 13.5356



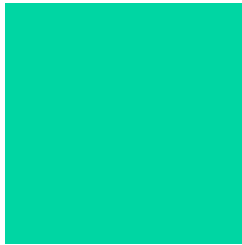
17.1573, 8.7993, 2.8666



1.0676, 0.5438, 0.3454

Previews

White Background



This preview shows how the XYZ color 30.6574, 50.7375, 42.8278 looks on a white background.

Color Contrast Check

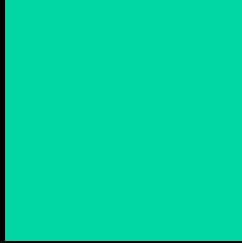
Large Text (above 18pt) WCAG AA × Fail

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 30.6574, 50.7375, 42.8278 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

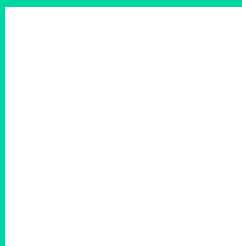
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6574, 50.7375, 42.8278

Background



This preview shows how black text looks on a background with the XYZ color 30.6574, 50.7375, 42.8278.

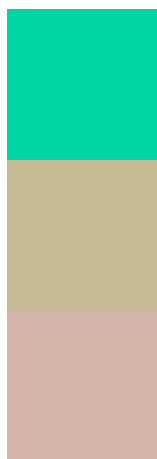


This preview shows how white text looks on a background with the XYZ color 30.6574, 50.7375,

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

30.6574, 50.7375, 42.8278

Protanopia

46.8285, 49.8848, 36.0148

Deuteranopia

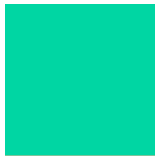
50.9309, 49.9471, 44.9866



Tritanopia

37.7745, 50.6993, 77.6071

Trichromacy



Original Color

30.6574, 50.7375, 42.8278



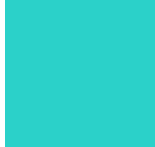
Protanomaly

34.6350, 46.8111, 38.2203



Deuteranomaly

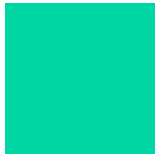
36.0367, 46.0808, 43.5544



Tritanomaly

34.3393, 50.3316, 63.1634

Monochromacy



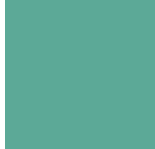
Original Color

30.6574, 50.7375, 42.8278



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.1875, 32.8856, 34.3509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6574, 50.7375, 42.8278 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, 214, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 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, 214, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.6574, 50.7375, 42.8278 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, 214, 163) }
```


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

```
.border{ border-color:rgb(0, 214, 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, 214, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6574, 50.7375, 42.8278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 163) }
```

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

```
.background{ background-color: rgb(0, 214,  
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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