

Converting Colors

XYZ(30.5251, 50.6116, 46.5220)

Have a look what the booklet for
XYZ(30.5251, 50.6116, 46.5220)
contains.

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Color

**XYZ(31.3973, 51.0334,
46.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6AB
RGB	0, 214, 171
RGB Percent	0%, 84%, 67%
CMY	0.9999, 0.1608, 0.3294
CMYK	1.00, 0.00, 0.20, 0.16
HSL	168°, 100%, 42%
HSV	168°, 100%, 84%
XYZ	31.3973, 51.0334, 46.7237
YIQ	145.1120, -113.7410, -58.7410

Conversions

Conversions Part 2

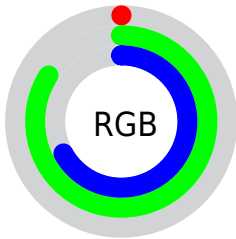
Format	Color
RYB	0, 119, 214
Decimal	54955
CIELab	76.70, -53.93, 8.97
CIELCh	77, 54.669, 170.554
Yxy	51.0334, 0.2431, 0.3951
Android (android.graphics.Color)	4278245035 (0xFF00D6AB)
YUV	145.1120, 12.7628, -127.2632
Hunter-Lab	71.4377, -46.5640, 11.2278

Details

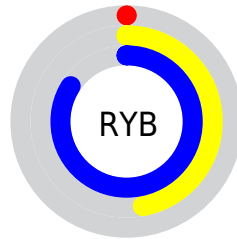
The XYZ color **31.3973, 51.0334, 46.7237** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.1697, 14.4721, 3.5979**, and the grayscale version is **26.9471, 28.3504, 30.8736**.

A 20% lighter version of the original color is **55.4313, 80.0752, 84.4860**, and **15.5566, 25.7856, 21.6100** is the 20% darker color. If you saturate the color by 10%, you get **31.3976, 51.0349, 46.7212**, and if you desaturate by 10%, it is **32.1336, 51.3661, 48.9345**.

Distribution



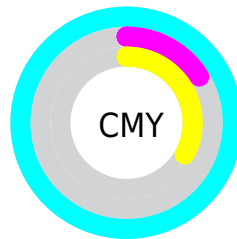
- Red (0%)
- Green (84%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3973, 51.0334, 46.7237 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 31.3973, 51.0334, 46.7237 by changing the saturation by 10% instead.


 31.3973, 51.0334,
46.7237


 31.3973, 51.0334,
46.7237

300.1588,
390.6935, 390.0724


 21.0549, 36.2352,
32.4645


 61.2366, 91.7041,
86.6467


 13.2768, 24.6159,
21.4488


 81.4643, 118.3455,
113.1476


 7.6977, 15.7911,
13.2580


 105.7177,
149.7033, 144.5661

 3.9523, 9.3765,
7.4736

 134.3622,
186.1620, 181.3208

 1.6752, 4.9875,
3.6771

 167.7632,
228.1060, 223.8303

 0.4407, 2.2400,
1.4499

206.2861,

 0.0000, 0.7416,

275.9196, 272.5130

0.1802

250.2962,
329.9873, 327.7875

■ 0.0000, 0.0000,
0.0000

■ 31.3973, 51.0334,
46.7237

■ 31.3973, 51.0334,
46.7237

■ 31.3976, 51.0349,
46.7212

■ 32.1336, 51.3661,
48.9345

■ 33.2347, 51.8840,
51.2315

■ 34.8189, 52.6495,
53.6221

■ 36.9512, 53.6958,
56.1099

■ 39.6860, 55.0512,
58.6980

■ 43.0716, 56.7405,
61.3894

■ 47.1508, 58.7857,
64.1866

■ 51.9630, 61.2072,
67.0921

■ 57.5447, 64.0236,
70.1082

Harmonies

Analogous

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



34.6982, 51.0334, 26.6414



31.3973, 51.0334, 46.7237



32.1495, 51.0334, 78.0858

Triad

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



31.3973, 51.0334, 46.7237



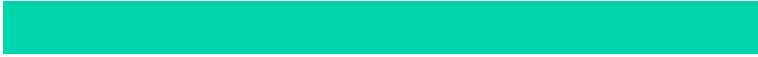
55.8369, 51.0334, 127.8830



62.2871, 51.0334, 22.1411

Complementary

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



31.3973, 51.0334, 46.7237



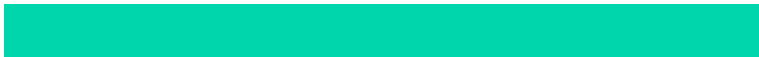
28.1697, 14.4721, 3.5979

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.



69.6385, 51.0334, 37.8557



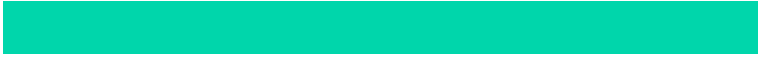
31.3973, 51.0334, 46.7237



65.5621, 51.0334, 100.2388

Square

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



31.3973, 51.0334, 46.7237



45.3108, 51.0334, 132.9271



70.9156, 51.0334, 65.4605



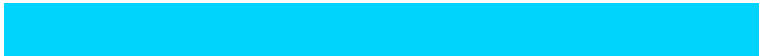
51.8474, 51.0334, 16.1636

Rectangle

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



31.3973, 51.0334, 46.7237



34.8963, 51.0334, 101.4946



70.9156, 51.0334, 65.4605



65.2603, 51.0334, 26.1277

Sweetspot

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



31.3987, 51.0354, 46.7249



69.9076, 87.3133, 95.3154



25.1922, 48.6850, 8.0704



14.3855, 18.3987, 20.0186



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.



31.3987, 51.0354, 46.7249



46.6293, 75.8677, 69.1572



23.5919, 27.7623, 67.7358



12.6802, 14.0631, 15.3966



19.0151, 30.8614, 28.4391



1.1747, 1.8725, 1.8616

Inverse Universe

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



28.1697, 14.4721, 3.5979



41.8430, 21.5012, 5.1055



29.3834, 17.5981, 1.8491



12.5243, 12.4612, 13.4352



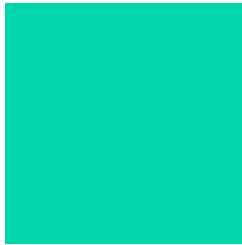
17.0555, 8.7585, 2.3306



1.0587, 0.5403, 0.2987

Previews

White Background



This preview shows how the XYZ color 31.3973, 51.0334, 46.7237 looks on a white background.

Color Contrast Check

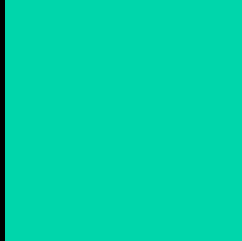
Large Text (above 18pt) WCAG AA × Fail

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 31.3973, 51.0334, 46.7237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

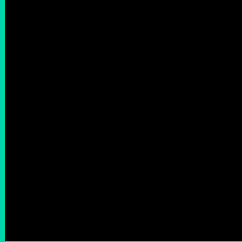
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

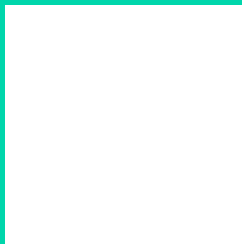
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3973, 51.0334, 46.7237

Background



This preview shows how black text looks on a background with the XYZ color 31.3973, 51.0334, 46.7237.



This preview shows how white text looks on a background with the XYZ color 31.3973, 51.0334,

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

31.3973, 51.0334, 46.7237

Protanopia

47.1448, 49.9807, 39.0607

Deuteranopia

50.8543, 49.8174, 49.0549



Tritanopia

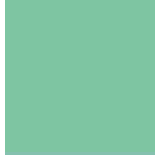
37.9473, 51.1313, 78.3903

Trichromacy



Original Color

31.3973, 51.0334, 46.7237



Protanomaly

35.0920, 46.9768, 41.4003



Deuteranomaly

36.4807, 46.2216, 47.5564



Tritanomaly

34.9805, 50.9724, 65.7526

Monochromacy



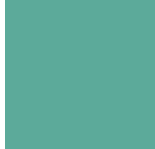
Original Color

31.3973, 51.0334, 46.7237



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.6211, 33.3579, 35.7129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3973, 51.0334, 46.7237 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.3973, 51.0334, 46.7237 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, 171) }
```


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

```
.border{ border-color:rgb(0, 214, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3973, 51.0334, 46.7237 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, 171) }
```

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

```
.background{ background-color: rgb(0, 214,  
171) }
```

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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