

Converting Colors

XYZ(31.4414, 50.4871, 48.6949)

Have a look what the booklet for
XYZ(31.4414, 50.4871, 48.6949)
contains.

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Color

**XYZ(31.5321, 50.6836,
48.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5AF
RGB	0, 213, 175
RGB Percent	0%, 84%, 69%
CMY	0.9999, 0.1647, 0.3137
CMYK	1.00, 0.00, 0.18, 0.16
HSL	169°, 100%, 42%
HSV	169°, 100%, 84%
XYZ	31.5321, 50.6836, 48.6784
YIQ	144.9810, -114.7500, -56.9740

Conversions

Conversions Part 2

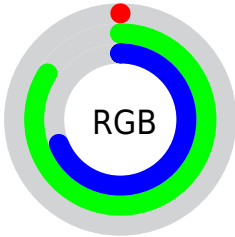
Format	Color
RYB	0, 117, 213
Decimal	54703
CIELab	76.49, -52.52, 6.53
CIELCh	76, 52.923, 172.911
Yxy	50.6836, 0.2409, 0.3872
Android (android.graphics.Color)	4278244783 (0xFF00D5AF)
YUV	144.9810, 14.7994, -127.1483
Hunter-Lab	71.1924, -45.5266, 9.2947

Details

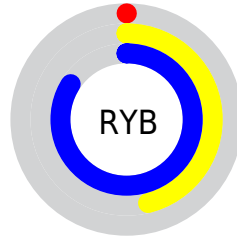
The XYZ color **31.5321, 50.6836, 48.6784** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.7923, 14.2875, 3.1297**, and the grayscale version is **26.8858, 28.2860, 30.8034**.

A 20% lighter version of the original color is **55.9868, 80.2973, 87.4110**, and **15.6321, 25.5440, 22.8455** is the 20% darker color. If you saturate the color by 10%, you get **31.5325, 50.6851, 48.6764**, and if you desaturate by 10%, it is **32.2282, 50.9999, 50.6885**.

Distribution



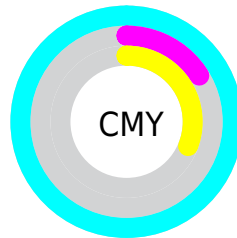
- Red (0%)
- Green (84%)
- Blue (69%)



- Red (0%)
- Yellow (46%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5321, 50.6836, 48.6784 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 31.5321, 50.6836, 48.6784 by changing the saturation by 10% instead.


 31.5321, 50.6836,
48.6784


 31.5321, 50.6836,
48.6784


300.7656,
389.3333, 398.0609

 21.1582, 35.9569,
34.0006


 61.4470, 91.1869,
89.5897


 13.3528, 24.4009,
22.6167


 81.7187, 117.7323,
116.6602


 7.7506, 15.6313,
14.1081


 106.0204,
148.9860, 148.6988

 3.9862, 9.2636,
8.0563

 134.7173,
185.3324, 186.1240

 1.6944, 4.9135,
4.0427

 168.1750,
227.1559, 229.3542

 0.4527, 2.1966,
1.6488

206.7587,

 0.0000, 0.7181,

274.8410, 278.8081

0.3253

250.8337,
328.7720, 334.9041

■ 0.0000, 0.0000,
0.0000

■ 31.5321, 50.6836,
48.6784

■ 31.5321, 50.6836,
48.6784

■ 31.5325, 50.6851,
48.6764

■ 32.2282, 50.9999,
50.6885

■ 33.2821, 51.4983,
52.7695

■ 34.8112, 52.2403,
54.9285

■ 36.8795, 53.2591,
57.1689

■ 39.5410, 54.5825,
59.4936

■ 42.8432, 56.2349,
61.9053

■ 46.8286, 58.2382,
64.4065

■ 51.5360, 60.6125,
66.9992

■ 57.0013, 63.3761,
69.6856

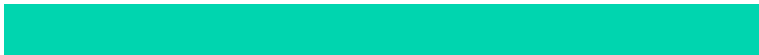
Harmonies

Analogous

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



34.4322, 50.6836, 28.2392



31.5321, 50.6836, 48.6784



32.5738, 50.6836, 79.4592

Triad

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



31.5321, 50.6836, 48.6784



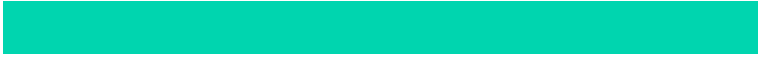
56.0349, 50.6836, 122.8477



60.6945, 50.6836, 21.9349

Complementary

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



31.5321, 50.6836, 48.6784



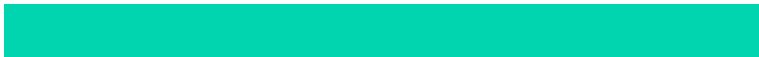
27.7923, 14.2875, 3.1297

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.



68.0948, 50.6836, 36.4399



31.5321, 50.6836, 48.6784



65.1557, 50.6836, 95.3969

Square

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



31.5321, 50.6836, 48.6784



45.8440, 50.6836, 129.6431



69.8309, 50.6836, 62.2488



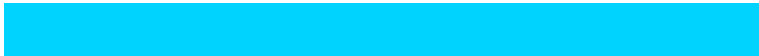
50.5801, 50.6836, 16.6459

Rectangle

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



31.5321, 50.6836, 48.6784



35.4432, 50.6836, 101.6875



69.8309, 50.6836, 62.2488



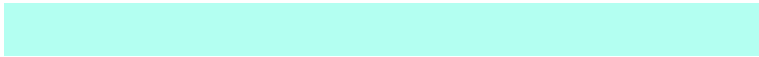
63.6359, 50.6836, 25.5918

Sweetspot

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



31.5335, 50.6856, 48.6796



70.1645, 87.4160, 96.6680



24.6349, 48.0231, 7.9720



14.4475, 18.4235, 20.3451



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.



31.5335, 50.6856, 48.6796



47.3305, 76.1482, 72.8492



22.2227, 25.2278, 66.6511



12.6927, 14.0681, 15.4620



19.2951, 30.9734, 29.9134



1.1892, 1.8783, 1.9383

Inverse Universe

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



27.7923, 14.2875, 3.1297



41.7234, 21.4533, 4.4754



29.4772, 18.2177, 1.9637



12.5128, 12.4566, 13.3748



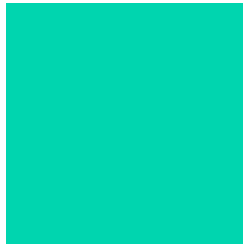
17.0025, 8.7373, 2.0514



1.0534, 0.5381, 0.2705

Previews

White Background



This preview shows how the XYZ color 31.5321, 50.6836, 48.6784 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 31.5321, 50.6836, 48.6784 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

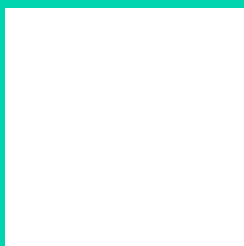
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5321, 50.6836, 48.6784

Background



This preview shows how black text looks on a background with the XYZ color 31.5321, 50.6836, 48.6784.



This preview shows how white text looks on a background with the XYZ color 31.5321, 50.6836,

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

31.5321, 50.6836, 48.6784

Protanopia

46.9683, 49.8496, 40.8647

Deuteranopia

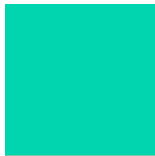
50.6995, 49.6905, 51.1751



Tritanopia

37.3772, 50.4945, 77.5885

Trichromacy



Original Color

31.5321, 50.6836, 48.6784



Protanomaly

35.0803, 46.5930, 43.2208



Deuteranomaly

36.7224, 46.3001, 49.6492



Tritanomaly

34.7777, 50.4885, 66.3048

Monochromacy



Original Color

31.5321, 50.6836, 48.6784



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.7891, 33.4251, 36.5976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5321, 50.6836, 48.6784 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, 213, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 175)  
}
```

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, 213, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.5321, 50.6836, 48.6784 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, 213, 175) }
```


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

```
.border{ border-color:rgb(0, 213, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5321, 50.6836, 48.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 175) }
```

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

```
.background{ background-color: rgb(0, 213,  
175) }
```

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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