

Converting Colors

XYZ(22.3607, 44.2790, 54.1242)

Have a look what the booklet for
XYZ(22.3607, 44.2790, 54.1242)
contains.

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Color

**XYZ(31.7701, 49.1888,
54.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1BB
RGB	0, 209, 187
RGB Percent	0%, 82%, 73%
CMY	0.9999, 0.1804, 0.2667
CMYK	1.00, 0.00, 0.11, 0.18
HSL	174°, 100%, 41%
HSV	174°, 100%, 82%
XYZ	31.7701, 49.1888, 54.8336
YIQ	144.0010, -117.5020, -51.1500

Conversions

Conversions Part 2

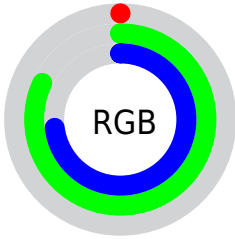
Format	Color
RYB	0, 110, 209
Decimal	53691
CIELab	75.57, -47.69, -1.24
CIELCh	76, 47.708, 181.493
Yxy	49.1888, 0.2340, 0.3622
Android (android.graphics.Color)	4278243771 (0xFF00D1BB)
YUV	144.0010, 21.1985, -126.2889
Hunter-Lab	70.1347, -41.8776, 2.7395

Details

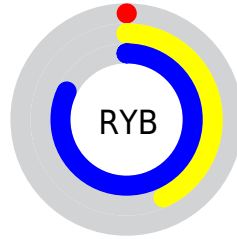
The XYZ color **31.7701, 49.1888, 54.8336** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **26.4410, 13.6147, 1.9953**, and the grayscale version is **26.4659, 27.8442, 30.3224**.

A 20% lighter version of the original color is **57.8815, 81.0552, 97.3886**, and **15.6943, 24.5037, 26.4568** is the 20% darker color. If you saturate the color by 10%, you get **31.7706, 49.1903, 54.8325**, and if you desaturate by 10%, it is **32.3165, 49.4442, 56.0996**.

Distribution



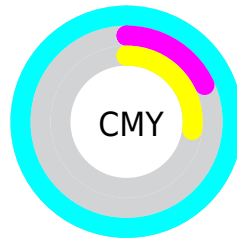
- Red (0%)
- Green (82%)
- Blue (73%)



- Red (0%)
- Yellow (43%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7701, 49.1888, 54.8336 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 31.7701, 49.1888, 54.8336 by changing the saturation by 10% instead.


 31.7701, 49.1888,
54.8336


 31.7701, 49.1888,
54.8336


301.8346,
383.4851, 422.5450


 21.3407, 34.7693,
38.8708


 61.8181, 88.9718,
98.7658


 13.4871, 23.4852,
26.3522


 82.1674, 115.1041,
127.5723

 7.8441, 14.9522,
16.8592


 106.5541,
145.9093, 161.4972

 4.0463, 8.7858,
9.9732

 135.3434,
181.7721, 200.9588

 1.7284, 4.6018,
5.2758

 168.9007,
223.0766, 246.3759

 0.4739, 2.0155,
2.3484

207.5915,

 0.0000, 0.6165,

270.2074, 298.1670

0.7582

251.7810,
323.5487, 356.7505

■ 0.0000, 0.0000,
0.0000

■ 31.7701, 49.1888,
54.8336

■ 31.7701, 49.1888,
54.8336

■ 31.7706, 49.1903,
54.8325

■ 32.3165, 49.4442,
56.0996

■ 33.1978, 49.8707,
57.3991

■ 34.5276, 50.5279,
58.7387

■ 36.3666, 51.4473,
60.1211

■ 38.7665, 52.6553,
61.5490

■ 41.7723, 54.1753,
63.0245

■ 45.4245, 56.0282,
64.5495

■ 49.7602, 58.2329,
66.1260

■ 54.8137, 60.8072,
67.7556

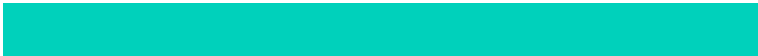
Harmonies

Analogous

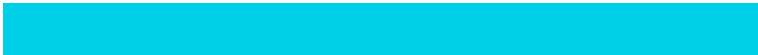
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3808, 49.1888, 33.5669



31.7701, 49.1888, 54.8336



33.7350, 49.1888, 83.1374

Triad

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



31.7701, 49.1888, 54.8336



56.1800, 49.1888, 106.5443



55.3195, 49.1888, 21.2185

Complementary

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



31.7701, 49.1888, 54.8336



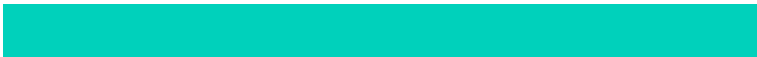
26.4410, 13.6147, 1.9953

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.



62.7499, 49.1888, 31.9872



31.7701, 49.1888, 54.8336



63.2891, 49.1888, 80.2336

Square

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



31.7701, 49.1888, 54.8336



47.1957, 49.1888, 118.2339



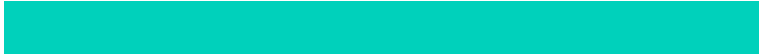
65.8306, 49.1888, 52.3028



46.3120, 49.1888, 18.2070

Rectangle

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



31.7701, 49.1888, 54.8336



36.9716, 49.1888, 101.2461



65.8306, 49.1888, 52.3028



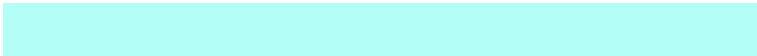
58.1221, 49.1888, 23.8398

Sweetspot

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



31.7715, 49.1907, 54.8348



71.0151, 87.7563, 101.1473



23.1881, 45.8019, 7.6196



14.6535, 18.5059, 21.4295



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.



31.7715, 49.1907, 54.8348



49.7846, 77.1299, 85.7727



19.3465, 20.2779, 63.2180



12.1025, 13.3847, 14.8961



19.6099, 30.3369, 33.9217



1.1122, 1.7026, 1.9797

Inverse Universe

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



26.4410, 13.6147, 1.9953



41.4361, 21.3384, 2.9626



29.1746, 19.3138, 2.1913



11.8586, 11.8282, 12.5312



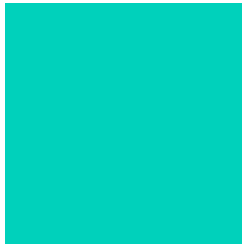
16.3193, 8.4006, 1.3217



0.9300, 0.4767, 0.1664

Previews

White Background



This preview shows how the XYZ color 31.7701, 49.1888, 54.8336 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 31.7701, 49.1888, 54.8336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

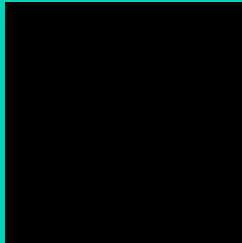
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

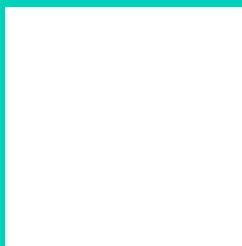
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7701, 49.1888, 54.8336

Background



This preview shows how black text looks on a background with the XYZ color 31.7701, 49.1888, 54.8336.

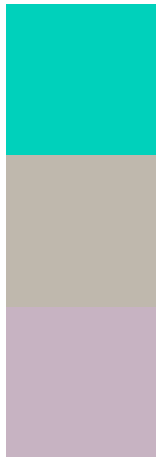


This preview shows how white text looks on a background with the XYZ color 31.7701, 49.1888,

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

31.7701, 49.1888, 54.8336

Protanopia

46.1692, 48.3745, 46.4390

Deuteranopia

49.4109, 48.2774, 57.7532



Tritanopia

36.1653, 49.1905, 75.9952

Trichromacy



Original Color

31.7701, 49.1888, 54.8336



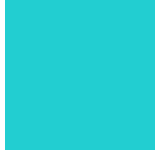
Protanomaly

35.1319, 45.4919, 49.0486



Deuteranomaly

36.5698, 45.1005, 56.0681



Tritanomaly

34.2396, 49.0861, 67.9916

Monochromacy



Original Color

31.7701, 49.1888, 54.8336



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.7614, 32.8186, 38.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7701, 49.1888, 54.8336 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, 209, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 187)  
}
```

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, 209, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 187) }
```

Border

The CSS property to change the border of an element to XYZ 31.7701, 49.1888, 54.8336 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, 209, 187) }
```


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

```
.border{ border-color:rgb(0, 209, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7701, 49.1888, 54.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 187) }
```

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

```
.background{ background-color: rgb(0, 209,  
187) }
```

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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