

Converting Colors

XYZ(31.2984, 49.0394, 52.2287)

Have a look what the booklet for
XYZ(31.2984, 49.0394, 52.2287)
contains.

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Color

**XYZ(31.2440, 48.9783,
52.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1B6
RGB	0, 209, 182
RGB Percent	0%, 82%, 71%
CMY	0.9998, 0.1804, 0.2863
CMYK	1.00, 0.00, 0.13, 0.18
HSL	172°, 100%, 41%
HSV	172°, 100%, 82%
XYZ	31.2440, 48.9783, 52.0630
YIQ	143.4310, -115.8970, -52.7050

Conversions

Conversions Part 2

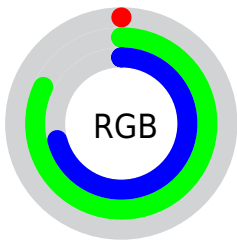
Format	Color
RYB	0, 112, 209
Decimal	53686
CIELab	75.44, -49.05, 1.26
CIELCh	75, 49.070, 178.531
Yxy	48.9783, 0.2362, 0.3702
Android (android.graphics.Color)	4278243766 (0xFF00D1B6)
YUV	143.4310, 19.0145, -125.7890
Hunter-Lab	69.9845, -42.7830, 4.8820

Details

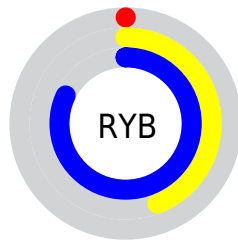
The XYZ color **31.2440, 48.9783, 52.0630** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **26.4941, 13.6360, 2.2751**, and the grayscale version is **26.2457, 27.6125, 30.0700**.

A 20% lighter version of the original color is **57.0183, 80.6963, 93.4597**, and **15.3537, 24.3674, 24.6630** is the 20% darker color. If you saturate the color by 10%, you get **31.2443, 48.9797, 52.0612**, and if you desaturate by 10%, it is **31.8348, 49.2515, 53.5630**.

Distribution



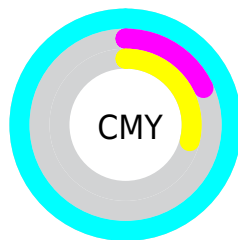
- Red (0%)
- Green (82%)
- Blue (71%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2440, 48.9783, 52.0630 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 31.2440, 48.9783, 52.0630 by changing the saturation by 10% instead.


 31.2440, 48.9783,
52.0630


 31.2440, 48.9783,
52.0630


299.4677,
382.6569, 411.6436


 20.9375, 34.6023,
36.6727


 60.9973, 88.6592,
94.6517


 13.1905, 23.3567,
24.6604


 81.1747, 114.7329,
122.6871


 7.6378, 14.8571,
15.6075


 105.3731,
145.4746, 155.7747

 3.9139, 8.7191,
9.0955

 133.9579,
181.2687, 194.3330

 1.6535, 4.5584,
4.7059

 167.2944,
222.4995, 238.7805

 0.4269, 1.9906,
2.0200

205.7479,

 0.0000, 0.6020,

269.5516, 289.5357

0.5676

249.6839,
322.8093, 347.0173

■ 0.0000, 0.0000,
0.0000

■ 31.2440, 48.9783,
52.0630

■ 31.2440, 48.9783,
52.0630

■ 31.2443, 48.9797,
52.0612

■ 31.8348, 49.2515,
53.5630

■ 32.7625, 49.6965,
55.1058

■ 34.1403, 50.3730,
56.6982

■ 36.0293, 51.3123,
58.3430

■ 38.4809, 52.5411,
60.0429

■ 41.5403, 54.0826,
61.8001

■ 45.2480, 55.9576,
63.6167

■ 49.6411, 58.1853,
65.4945

■ 54.7538, 60.7833,
67.4352

Harmonies

Analogous

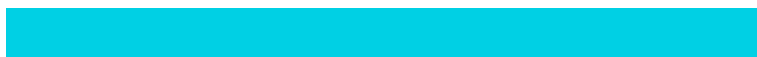
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2410, 48.9783, 31.3285



31.2440, 48.9783, 52.0630



32.8863, 48.9783, 80.8257

Triad

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



31.2440, 48.9783, 52.0630



55.3612, 48.9783, 110.1329



56.2321, 48.9783, 21.1336

Complementary

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



31.2440, 48.9783, 52.0630



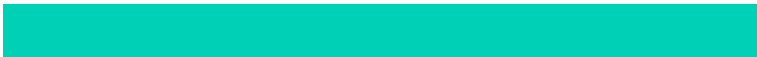
26.4941, 13.6360, 2.2751

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.



63.5604, 48.9783, 32.9047



31.2440, 48.9783, 52.0630



63.0135, 48.9783, 83.7774

Square

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



31.2440, 48.9783, 52.0630



46.1082, 48.9783, 120.2062



66.1876, 48.9783, 54.6154



46.9994, 48.9783, 17.4312

Rectangle

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



31.2440, 48.9783, 52.0630



35.9613, 48.9783, 100.0225



66.1876, 48.9783, 54.6154



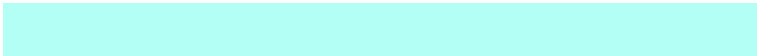
59.0421, 48.9783, 24.0412

Sweetspot

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



31.2454, 48.9802, 52.0642



70.7340, 87.6438, 99.6671



23.2777, 45.8480, 7.6239



14.5853, 18.4787, 21.0706



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.



31.2454, 48.9802, 52.0642



48.9515, 76.7966, 81.3853



19.8129, 21.2107, 63.3734



12.0899, 13.3797, 14.8297



19.2895, 30.2087, 32.2343



1.0973, 1.6966, 1.9012

Inverse Universe

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



26.4941, 13.6360, 2.2751



41.5138, 21.3695, 3.3719



28.9258, 18.8162, 2.1085



11.8700, 11.8328, 12.5914



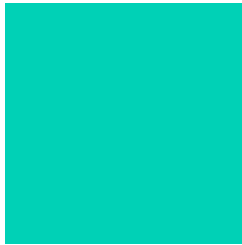
16.3548, 8.4148, 1.5086



0.9354, 0.4789, 0.1945

Previews

White Background



This preview shows how the XYZ color 31.2440, 48.9783, 52.0630 looks on a white background.

Color Contrast Check

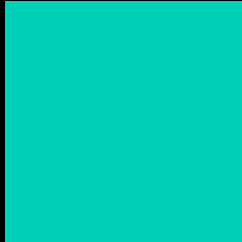
Large Text (above 18pt) WCAG AA × Fail

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 31.2440, 48.9783, 52.0630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

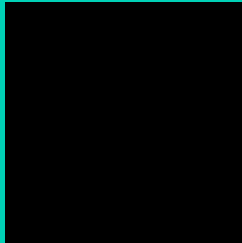
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

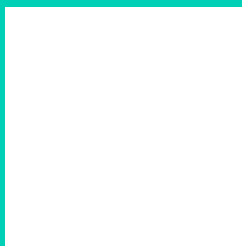
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2440, 48.9783, 52.0630

Background



This preview shows how black text looks on a background with the XYZ color 31.2440, 48.9783, 52.0630.

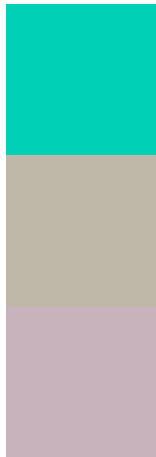


This preview shows how white text looks on a background with the XYZ color 31.2440, 48.9783,

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

31.2440, 48.9783, 52.0630

Protanopia

45.6942, 48.1845, 43.9380

Deuteranopia

49.1248, 48.1937, 54.8573



Tritanopia

36.1420, 49.1938, 75.3006

Trichromacy



Original Color

31.2440, 48.9783, 52.0630



Protanomaly

34.6388, 45.2946, 46.4522



Deuteranomaly

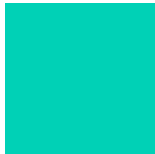
36.0288, 44.8841, 53.2190



Tritanomaly

33.9394, 48.9739, 66.0566

Monochromacy



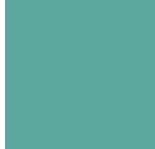
Original Color

31.2440, 48.9783, 52.0630



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.2189, 32.2959, 36.8556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2440, 48.9783, 52.0630 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 182) }
```

Border

The CSS property to change the border of an element to XYZ 31.2440, 48.9783, 52.0630 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, 182) }
```


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

```
.border{ border-color:rgb(0, 209, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2440, 48.9783, 52.0630 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, 182) }
```

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

```
.background{ background-color: rgb(0, 209,  
182) }
```

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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