

Converting Colors

XYZ(24.9578, 41.6958, 33.6601)

Have a look what the booklet for
XYZ(24.9578, 41.6958, 33.6601)
contains.

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Color

**XYZ(24.8508, 41.5242,
33.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	00C491
RGB	0, 196, 145
RGB Percent	0%, 77%, 57%
CMY	0.9999, 0.2314, 0.4314
CMYK	1.00, 0.00, 0.26, 0.23
HSL	164°, 100%, 38%
HSV	164°, 100%, 77%
XYZ	24.8508, 41.5242, 33.4933
YIQ	131.5820, -100.4450, -57.4130

Conversions

Conversions Part 2

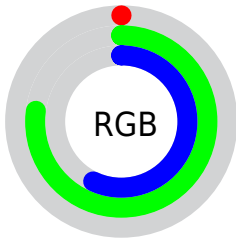
Format	Color
RYB	0, 113, 196
Decimal	50321
CIELab	70.54, -53.30, 14.20
CIELCh	71, 55.163, 165.082
Yxy	41.5242, 0.2488, 0.4158
Android (android.graphics.Color)	4278240401 (0xFF00C491)
YUV	131.5820, 6.6151, -115.3974
Hunter-Lab	64.4393, -43.9308, 14.2906

Details

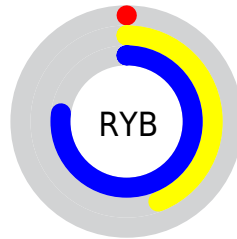
The XYZ color **24.8508, 41.5242, 33.4933** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.3641, 11.9760, 4.2151**, and the grayscale version is **21.7877, 22.9224, 24.9625**.

A 20% lighter version of the original color is **51.0061, 77.7165, 66.3453**, and **11.5453, 19.8579, 13.8141** is the 20% darker color. If you saturate the color by 10%, you get **24.8511, 41.5255, 33.4917**, and if you desaturate by 10%, it is **25.5348, 41.8314, 35.6260**.

Distribution



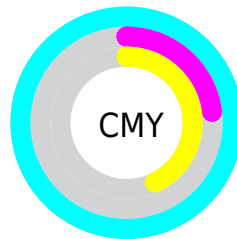
- Red (0%)
- Green (77%)
- Blue (57%)



- Red (0%)
- Yellow (44%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8508, 41.5242, 33.4933 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 24.8508, 41.5242, 33.4933 by changing the saturation by 10% instead.

■ 24.8508, 41.5242,
33.4933

■ 24.8508, 41.5242,
33.4933

269.4555,
352.5068, 332.5667

■ 16.0941, 28.7289,
22.2304

■ 50.8597, 77.4790,
66.2698

■ 9.6820, 18.8758,
13.8264

■ 68.8426, 101.4073,
88.6205

■ 5.2493, 11.5806,
7.8626

■ 90.6316, 129.8154,
115.5042

■ 2.4305, 6.4588,
3.9207

■ 116.5920,
163.0877, 147.3394

■ 0.8603, 3.1260,
1.5819

■ 147.0893,
201.6086, 184.5447

■ 0.0000, 1.1979,
0.2779

182.4887,

■ 0.0000, 0.0600,

245.7625, 227.5387

0.0000

223.1557,
295.9337, 276.7398

■ 0.0000, 0.0000,
0.0000

■ 24.8508, 41.5242,
33.4933

■ 24.8508, 41.5242,
33.4933

■ 24.8511, 41.5255,
33.4917

■ 25.5348, 41.8314,
35.6260

■ 26.5194, 42.2904,
37.8651

■ 27.9058, 42.9545,
40.2176

■ 29.7460, 43.8504,
42.6871

■ 32.0841, 45.0009,
45.2765

■ 34.9588, 46.4258,
47.9890

■ 38.4048, 48.1430,
50.8271

■ 42.4541, 50.1690,
53.7934

■ 47.1358, 52.5188,
56.8904

Harmonies

Analogous

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



28.3218, 41.5242, 18.2440



24.8508, 41.5242, 33.4933



24.8604, 41.5242, 59.5563

Triad

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



24.8508, 41.5242, 33.4933



44.2011, 41.5242, 112.9711



53.1666, 41.5242, 18.1885

Complementary

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



24.8508, 41.5242, 33.4933



23.3641, 11.9760, 4.2151

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.



58.9026, 41.5242, 33.3797



24.8508, 41.5242, 33.4933



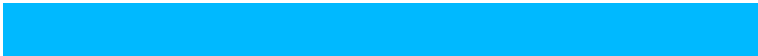
53.2099, 41.5242, 90.6672

Square

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



24.8508, 41.5242, 33.4933



35.1294, 41.5242, 113.0397



58.9196, 41.5242, 59.3895



44.1488, 41.5242, 12.0063

Rectangle

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



24.8508, 41.5242, 33.4933



26.8031, 41.5242, 80.5918



58.9196, 41.5242, 59.3895



55.5998, 41.5242, 22.0819

Sweetspot

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



24.8519, 41.5258, 33.4943



69.2437, 87.0477, 91.8191



21.1717, 40.2190, 6.6479



14.2257, 18.3348, 19.1768



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.



24.8519, 41.5258, 33.4943



44.9062, 75.1785, 60.0831



20.9147, 25.8863, 56.1207



10.2530, 11.3822, 12.3355



16.0041, 26.6957, 21.7125



0.7184, 1.1642, 1.0798

Inverse Universe

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



23.3641, 11.9760, 4.2151



42.2340, 21.6576, 7.1646



23.7333, 13.6710, 1.3886



10.1784, 10.1200, 11.0300



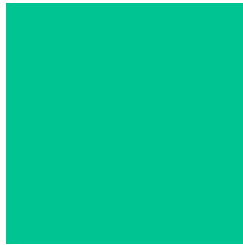
15.0420, 7.7065, 2.8672



0.6793, 0.3447, 0.2785

Previews

White Background



This preview shows how the XYZ color 24.8508, 41.5242, 33.4933 looks on a white background.

Color Contrast Check

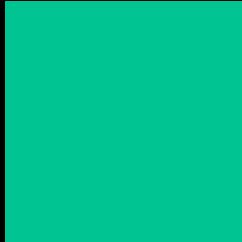
Large Text (above 18pt) WCAG AA × Fail

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 24.8508, 41.5242, 33.4933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

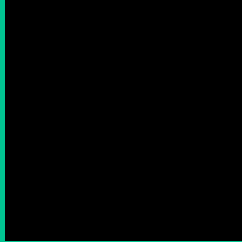
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

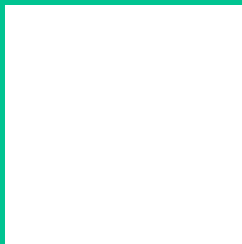
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8508, 41.5242, 33.4933

Background



This preview shows how black text looks on a background with the XYZ color 24.8508, 41.5242, 33.4933.

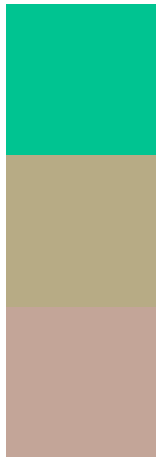


This preview shows how white text looks on a background with the XYZ color 24.8508, 41.5242,

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

24.8508, 41.5242, 33.4933

Protanopia

38.3250, 40.8866, 28.0623

Deuteranopia

41.6283, 40.7794, 35.3829



Tritanopia

30.9322, 41.3828, 63.4841

Trichromacy



Original Color

24.8508, 41.5242, 33.4933



Protanomaly

28.0391, 38.1617, 29.5550



Deuteranomaly

29.2623, 37.5057, 34.1308



Tritanomaly

28.0531, 41.1316, 51.2604

Monochromacy



Original Color

24.8508, 41.5242, 33.4933



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.8929, 27.1337, 27.8558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8508, 41.5242, 33.4933 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, 196, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 145)  
}
```

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, 196, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 145) }
```

Border

The CSS property to change the border of an element to XYZ 24.8508, 41.5242, 33.4933 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, 196, 145) }
```


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

```
.border{ border-color:rgb(0, 196, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8508, 41.5242, 33.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 145) }
```

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

```
.background{ background-color: rgb(0, 196,  
145) }
```

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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