

Converting Colors

XYZ(24.8595, 41.6542, 33.1496)

Have a look what the booklet for
XYZ(24.8595, 41.6542, 33.1496)
contains.

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Color

**XYZ(24.7740, 41.4935,
33.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	00C490
RGB	0, 196, 144
RGB Percent	0%, 77%, 56%
CMY	0.9999, 0.2314, 0.4353
CMYK	1.00, 0.00, 0.27, 0.23
HSL	164°, 100%, 38%
HSV	164°, 100%, 77%
XYZ	24.7740, 41.4935, 33.0889
YIQ	131.4680, -100.1240, -57.7240

Conversions

Conversions Part 2

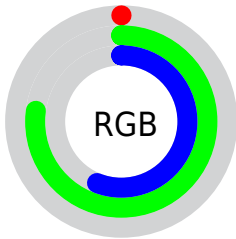
Format	Color
RYB	0, 113, 196
Decimal	50320
CIELab	70.52, -53.54, 14.71
CIELCh	71, 55.525, 164.638
Yxy	41.4935, 0.2493, 0.4176
Android (android.graphics.Color)	4278240400 (0xFF00C490)
YUV	131.4680, 6.1783, -115.2974
Hunter-Lab	64.4154, -44.0764, 14.6348

Details

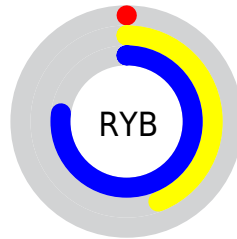
The XYZ color **24.7740, 41.4935, 33.0889** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.3864, 11.9848, 4.3324**, and the grayscale version is **21.7481, 22.8807, 24.9170**.

A 20% lighter version of the original color is **50.8904, 77.6702, 65.7357**, and **11.5007, 19.8401, 13.5793** is the 20% darker color. If you saturate the color by 10%, you get **24.7744, 41.4948, 33.0874**, and if you desaturate by 10%, it is **25.4625, 41.8025, 35.2453**.

Distribution



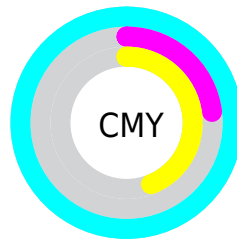
- Red (0%)
- Green (77%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7740, 41.4935, 33.0889 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 24.7740, 41.4935, 33.0889 by changing the saturation by 10% instead.


 24.7740, 41.4935,
33.0889


 24.7740, 41.4935,
33.0889


269.0790,
352.3790, 330.6944

 16.0366, 28.7049,
21.9229


 50.7359, 77.4325,
65.6319


 9.6411, 18.8577,
13.6025


 68.6911, 101.3516,
87.8460


 5.2221, 11.5675,
7.7091


 90.4496, 129.7498,
114.5798

 2.4142, 6.4499,
3.8243

 116.3767,
163.0113, 146.2520

 0.8522, 3.1205,
1.5295

 146.8379,
201.5206, 183.2810

 0.0000, 1.1950,
0.2397

182.1984,

 0.0000, 0.0576,

245.6620, 226.0853

0.0000

222.8237,
295.8200, 275.0836

■ 0.0000, 0.0000,
0.0000

■ 24.7740, 41.4935,
33.0889

■ 24.7740, 41.4935,
33.0889

■ 24.7744, 41.4948,
33.0874

■ 25.4625, 41.8025,
35.2453

■ 26.4522, 42.2636,
37.5118

■ 27.8444, 42.9300,
39.8952

■ 29.6912, 43.8285,
42.3991

■ 32.0365, 44.9818,
45.0268

■ 34.9191, 46.4099,
47.7813

■ 38.3739, 48.1306,
50.6654

■ 42.4325, 50.1604,
53.6815

■ 47.1245, 52.5143,
56.8323

Harmonies

Analogous

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



28.3107, 41.4935, 17.9496



24.7740, 41.4935, 33.0889



24.7318, 41.4935, 59.1655

Triad

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



24.7740, 41.4935, 33.0889



44.0596, 41.4935, 113.6815



53.3478, 41.4935, 18.1943

Complementary

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



24.7740, 41.4935, 33.0889



23.3864, 11.9848, 4.3324

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.



59.0554, 41.4935, 33.5917



24.7740, 41.4935, 33.0889



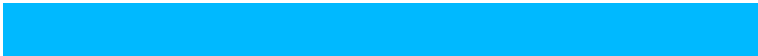
53.1555, 41.4935, 91.4249

Square

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



24.7740, 41.4935, 33.0889



34.9533, 41.4935, 113.3766



58.9801, 41.4935, 59.9056



44.2915, 41.4935, 11.9035

Rectangle

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



24.7740, 41.4935, 33.0889



26.6478, 41.4935, 80.3493



58.9801, 41.4935, 59.9056



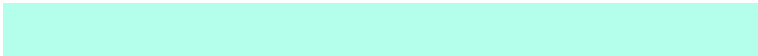
55.7798, 41.4935, 22.1430

Sweetspot

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



24.7751, 41.4951, 33.0899



69.1873, 87.0252, 91.5223



21.1716, 40.2190, 6.6478



14.2121, 18.3294, 19.1055



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.



24.7751, 41.4951, 33.0899



44.7659, 75.1224, 59.3445



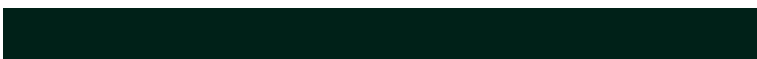
20.9146, 25.8862, 56.1207



10.2507, 11.3813, 12.3238



15.9552, 26.6761, 21.4549



0.7166, 1.1635, 1.0704

Inverse Universe

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



23.3864, 11.9848, 4.3324



42.2731, 21.6732, 7.3702



23.7332, 13.6709, 1.3885



10.1805, 10.1208, 11.0410



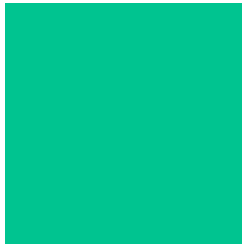
15.0567, 7.7124, 2.9448



0.6802, 0.3451, 0.2833

Previews

White Background



This preview shows how the XYZ color 24.7740, 41.4935, 33.0889 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 24.7740, 41.4935, 33.0889 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

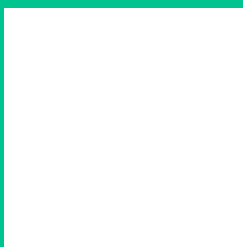
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7740, 41.4935, 33.0889

Background



This preview shows how black text looks on a background with the XYZ color 24.7740, 41.4935, 33.0889.

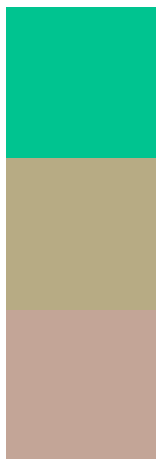


This preview shows how white text looks on a background with the XYZ color 24.7740, 41.4935,

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

24.7740, 41.4935, 33.0889

Protanopia

38.2562, 40.8590, 27.7001

Deuteranopia

41.5467, 40.7467, 34.9533



Tritanopia

30.9967, 41.4161, 63.4871

Trichromacy



Original Color

24.7740, 41.4935, 33.0889



Protanomaly

27.9677, 38.1331, 29.1789



Deuteranomaly

29.1828, 37.4739, 33.7121



Tritanomaly

27.9888, 41.1104, 50.7159

Monochromacy



Original Color

24.7740, 41.4935, 33.0889



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.7326, 27.0593, 27.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7740, 41.4935, 33.0889 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 144) }
```

Border

The CSS property to change the border of an element to XYZ 24.7740, 41.4935, 33.0889 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, 144) }
```


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

```
.border{ border-color:rgb(0, 196, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7740, 41.4935, 33.0889 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, 144) }
```

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

```
.background{ background-color: rgb(0, 196,  
144) }
```

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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