

# Converting Colors

XYZ(25.3338, 40.1476, 44.6034)

Have a look what the booklet for  
XYZ(25.3338, 40.1476, 44.6034)  
contains.

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# Color

**XYZ(26.1053, 40.6016,  
44.4912)**

# Conversions

Conversions Part 1	
Format	Color
Hex	00C0AA
RGB	0, 192, 170
RGB Percent	0%, 75%, 67%
CMY	0.9999, 0.2470, 0.3333
CMYK	1.00, 0.00, 0.11, 0.25
HSL	173°, 100%, 38%
HSV	173°, 100%, 75%
XYZ	26.1053, 40.6016, 44.4912
YIQ	132.0840, -107.3700, -47.5460

# Conversions

## Conversions Part 2

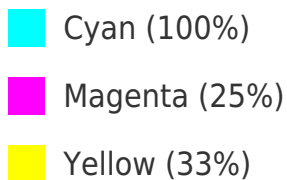
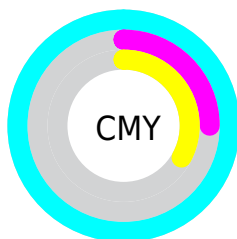
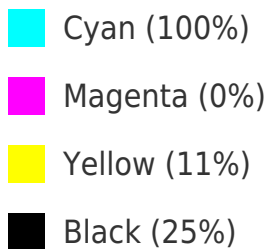
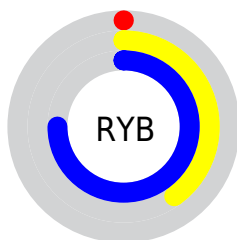
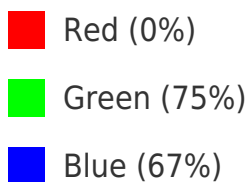
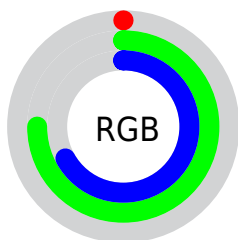
Format	Color
<a href="#">RYB</a>	<a href="#">0, 102, 192</a>
Decimal	<a href="#">49322</a>
CIELab	<a href="#">69.90, -45.23, -0.32</a>
CIELCh	<a href="#">70, 45.229, 180.399</a>
Yxy	<a href="#">40.6016, 0.2348, 0.3651</a>
Android (android.graphics.Color)	<a href="#">4278239402</a> (0xFF00C0AA)
YUV	<a href="#">132.0840, 18.6926, -115.8377</a>
Hunter-Lab	<a href="#">63.7194, -38.3790, 3.2051</a>

# Details

The XYZ color **26.1053, 40.6016, 44.4912** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **21.8844, 11.2654, 1.7814**, and the grayscale version is **21.9280, 23.0700, 25.1232**.

A 20% lighter version of the original color is **52.8331, 75.9543, 83.1102**, and **12.2157, 19.1993, 20.2015** is the 20% darker color. If you saturate the color by 10%, you get **26.1059, 40.6029, 44.4908**, and if you desaturate by 10%, it is **26.5891, 40.8277, 45.6106**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1053, 40.6016, 44.4912 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 26.1053, 40.6016, 44.4912 by changing the saturation by 10% instead.





 26.1053, 40.6016,  
44.4912


 26.1053, 40.6016,  
44.4912


275.5458,  
348.6527, 380.8088


 17.0355, 28.0079,  
30.7168


 52.8749, 76.0787,  
83.2667

 10.3553, 18.3316,  
20.1267


 71.3054, 99.7310,  
109.1049


 5.6992, 11.1883,  
12.3022


 93.5868, 127.8382,  
139.8015

 2.7020, 6.1937,  
6.8248

 120.0846,  
160.7848, 175.7750

 0.9982, 2.9632,  
3.2760

 151.1640,  
198.9551, 217.4440

 0.0000, 1.1125,  
1.2372


187.1905,


 0.0000, 0.0000,


242.7337, 265.2269


0.0095

228.5293,  
292.5047, 319.5423


 0.0000, 0.0000,  
0.0000


 26.1053, 40.6016,  
44.4912


 26.1053, 40.6016,  
44.4912


 26.1059, 40.6029,  
44.4908


 26.5891, 40.8277,  
45.6106


 27.3447, 41.1926,  
46.7601


 28.4698, 41.7475,  
47.9453


 30.0136, 42.5179,  
49.1685

 32.0178, 43.5252,  
50.4317

 34.5189, 44.7883,  
51.7369

 37.5497, 46.3240,  
53.0855

 41.1404, 48.1480,  
54.4792

 45.3188, 50.2744,  
55.9192

# Harmonies

## Analogous

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



27.5534, 40.6016, 27.0675



26.1053, 40.6016, 44.4912



27.6322, 40.6016, 68.0352

# Triad

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



26.1053, 40.6016, 44.4912



46.1988, 40.6016, 89.1548



46.0065, 40.6016, 17.5144

# Complementary

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



26.1053, 40.6016, 44.4912



21.8844, 11.2654, 1.7814

# 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.



52.1196, 40.6016, 26.7164



26.1053, 40.6016, 44.4912



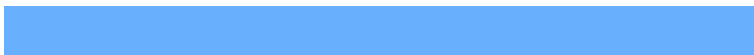
52.2402, 40.6016, 67.3853

# Square

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



26.1053, 40.6016, 44.4912



38.6893, 40.6016, 98.3405



54.5312, 40.6016, 43.9265



38.4921, 40.6016, 14.8153



# Rectangle

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



26.1053, 40.6016, 44.4912



30.2592, 40.6016, 83.3371



54.5312, 40.6016, 43.9265



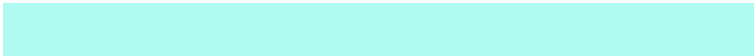
48.3260, 40.6016, 19.7673

# Sweetspot

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



26.1065, 40.6031, 44.4922



67.7413, 83.7842, 96.0622



19.1907, 37.8761, 6.3001



14.0106, 17.7097, 20.3840



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.1065, 40.6031, 44.4922



47.2404, 73.5434, 80.2940



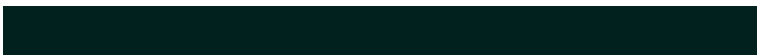
16.0421, 16.8600, 52.2798



10.3172, 11.4079, 12.6738



17.5842, 27.3277, 30.0333



0.7742, 1.1865, 1.3735



# Inverse Universe

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



21.8844, 11.2654, 1.7814



39.6059, 20.3925, 2.9879



24.1624, 16.0534, 1.8258



10.1191, 10.0962, 10.7177



14.7401, 7.5858, 1.2774

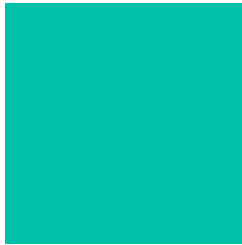


0.6528, 0.3341, 0.1392



# Previews

## White Background



This preview shows how the XYZ color 26.1053, 40.6016, 44.4912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

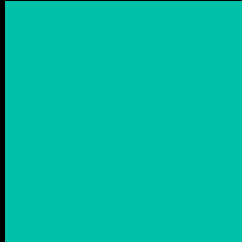
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.1053, 40.6016, 44.4912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

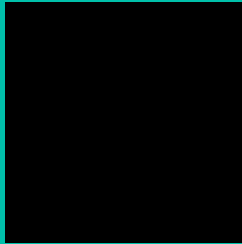
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

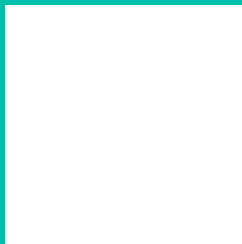
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.1053, 40.6016, 44.4912**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1053, 40.6016, 44.4912.



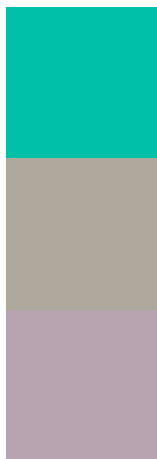
This preview shows how white text looks on a background with the XYZ color 26.1053, 40.6016,



# 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

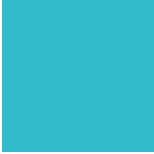
26.1053, 40.6016, 44.4912

### Protanopia

37.9530, 39.9242, 37.6041

### Deuteranopia

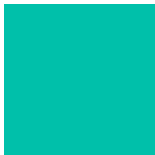
40.6404, 39.7528, 46.6054



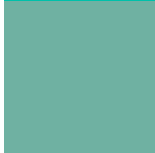
## Tritanopia

29.8652, 40.5306, 62.7490

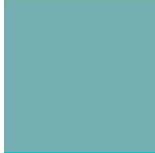
# Trichromacy



**Original Color**  
26.1053, 40.6016, 44.4912



**Protanomaly**  
28.7993, 37.4324, 39.8897

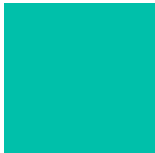


**Deuteranomaly**  
29.9785, 37.0411, 45.6140

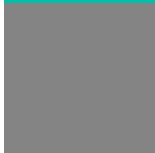


**Tritanomaly**  
28.1972, 40.4639, 55.6144

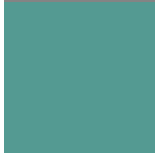
# Monochromacy



**Original Color**  
26.1053, 40.6016, 44.4912



**Achromatopsia**  
21.9318, 23.0740, 25.1276



**Achromatomaly**  
20.4001, 27.0713, 31.3442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1053, 40.6016, 44.4912 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, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 170)  
}
```

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, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1053, 40.6016, 44.4912 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, 192, 170) }
```



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

```
.border{ border-color:rgb(0, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1053, 40.6016, 44.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 170) }
```

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

```
.background{ background-color: rgb(0, 192,  
170) }
```

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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