

Converting Colors

XYZ(26.2766, 40.4072, 46.2034)

Have a look what the booklet for
XYZ(26.2766, 40.4072, 46.2034)
contains.

XYZ(26.2708, 40.3176, 46.4419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.2708, 40.3176,
46.4419)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFAE
RGB	0, 191, 174
RGB Percent	0%, 75%, 68%
CMY	0.9999, 0.2510, 0.3176
CMYK	1.00, 0.00, 0.09, 0.25
HSL	175°, 100%, 37%
HSV	175°, 100%, 75%
XYZ	26.2708, 40.3176, 46.4419
YIQ	131.9530, -108.3790, -45.7790

Conversions

Conversions Part 2

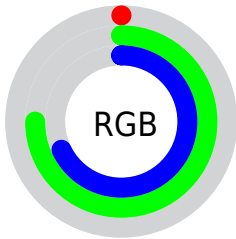
Format	Color
RYB	0, 100, 191
Decimal	49070
CIELab	69.70, -43.68, -2.80
CIELCh	70, 43.767, 183.667
Yxy	40.3176, 0.2324, 0.3567
Android (android.graphics.Color)	4278239150 (0xFF00BFAE)
YUV	131.9530, 20.7292, -115.7228
Hunter-Lab	63.4961, -37.2659, 1.0818

Details

The XYZ color **26.2708, 40.3176, 46.4419** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5884, 11.1180, 1.5399**, and the grayscale version is **21.8749, 23.0141, 25.0623**.

A 20% lighter version of the original color is **53.0771, 75.5586, 85.9156**, and **12.4585, 19.2965, 21.4803** is the 20% darker color. If you saturate the color by 10%, you get **26.2713, 40.3188, 46.4413**, and if you desaturate by 10%, it is **26.7096, 40.5255, 47.3343**.

Distribution



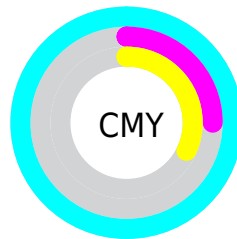
- Red (0%)
- Green (75%)
- Blue (68%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.2708, 40.3176, 46.4419 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 26.2708, 40.3176, 46.4419 by changing the saturation by 10% instead.


 26.2708, 40.3176,
46.4419

 26.2708, 40.3176,
46.4419


276.3413,
347.4604, 388.9115


 17.1601, 27.7863,
32.2435


 53.1397, 75.6469,
86.2212


 10.4447, 18.1646,
21.2812


 71.6286, 99.2136,
112.6392


 5.7593, 11.0682,
13.1365


 93.9742, 127.2277,
143.9674

 2.7385, 6.1127,
7.3907

 120.5420,
160.0733, 180.6244

 1.0171, 2.9138,
3.6255

 151.6972,
198.1350, 223.0288

 0.0000, 1.0869,
1.4222

187.8052,

 0.0000, 0.0000,

241.7972, 271.5991

0.1590

229.2315,
291.4442, 326.7538

■ 0.0000, 0.0000,
0.0000

■ 26.2708, 40.3176,
46.4419

■ 26.2708, 40.3176,
46.4419

■ 26.2713, 40.3188,
46.4413

■ 26.7096, 40.5255,
47.3343

■ 27.4154, 40.8698,
48.2493

■ 28.4850, 41.4014,
49.1923

■ 29.9669, 42.1453,
50.1657

■ 31.9021, 43.1228,
51.1715

■ 34.3269, 44.3523,
52.2113

■ 37.2736, 45.8506,
53.2867

■ 40.7718, 47.6330,
54.3992

■ 44.8491, 49.7137,
55.5500

Harmonies

Analogous

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



27.3629, 40.3176, 28.7683



26.2708, 40.3176, 46.4419



28.0649, 40.3176, 69.2720

Triad

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



26.2708, 40.3176, 46.4419



46.3791, 40.3176, 85.0301



44.6862, 40.3176, 17.3962

Complementary

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



26.2708, 40.3176, 46.4419



21.5884, 11.1180, 1.5399

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.



50.8125, 40.3176, 25.6291



26.2708, 40.3176, 46.4419



51.8714, 40.3176, 63.5775

Square

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



26.2708, 40.3176, 46.4419



39.1986, 40.3176, 95.4742



53.5854, 40.3176, 41.4507



37.4560, 40.3176, 15.3419

Rectangle

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



26.2708, 40.3176, 46.4419



30.8034, 40.3176, 83.4230



53.5854, 40.3176, 41.4507



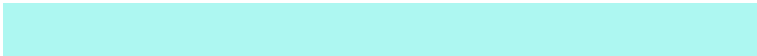
46.9711, 40.3176, 19.3746

Sweetspot

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



26.2720, 40.3191, 46.4429



66.4725, 81.9721, 95.3373



18.9027, 37.4027, 6.2241



14.0807, 17.7378, 20.7532



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.



26.2720, 40.3191, 46.4429



47.0035, 72.1900, 82.9266



15.4916, 15.9358, 51.5513



9.7710, 10.7945, 12.0433



17.2799, 26.5022, 30.6002



0.6877, 1.0425, 1.2558

Inverse Universe

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



21.5884, 11.1180, 1.5399



38.6263, 19.8959, 2.5646



24.1003, 16.3039, 1.8777



9.5637, 9.5498, 10.0917



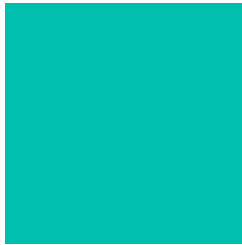
14.2000, 7.3112, 1.0809



0.5680, 0.2911, 0.1045

Previews

White Background



This preview shows how the XYZ color 26.2708, 40.3176, 46.4419 looks on a white background.

Color Contrast Check

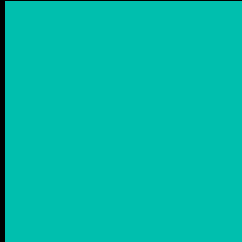
Large Text (above 18pt) WCAG AA × Fail

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 26.2708, 40.3176, 46.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

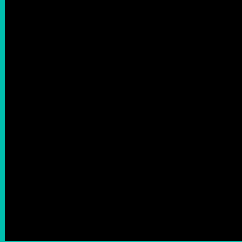
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

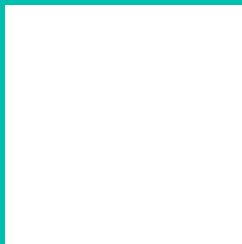
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.2708, 40.3176, 46.4419

Background



This preview shows how black text looks on a background with the XYZ color 26.2708, 40.3176, 46.4419.

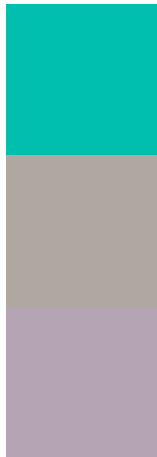


This preview shows how white text looks on a background with the XYZ color 26.2708, 40.3176,

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

26.2708, 40.3176, 46.4419

Protanopia

37.8912, 39.5771, 39.3603

Deuteranopia

40.3361, 39.5495, 48.6879



Tritanopia

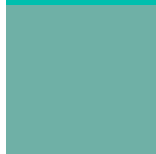
29.6033, 40.4093, 62.1166

Trichromacy



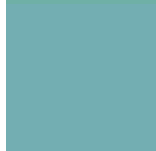
Original Color

26.2708, 40.3176, 46.4419



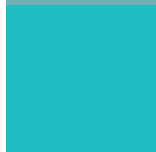
Protanomaly

28.9638, 37.1833, 41.7269



Deuteranomaly

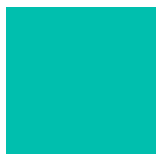
30.2422, 37.1313, 47.6926



Tritanomaly

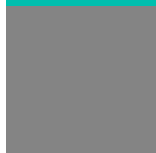
28.0331, 40.0482, 56.1218

Monochromacy



Original Color

26.2708, 40.3176, 46.4419



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.3138, 26.7739, 31.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.2708, 40.3176, 46.4419 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, 191, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 174)  
}
```

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, 191, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 174) }
```

Border

The CSS property to change the border of an element to XYZ 26.2708, 40.3176, 46.4419 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, 191, 174) }
```


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

```
.border{ border-color:rgb(0, 191, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 26.2708, 40.3176, 46.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 174) }
```

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

```
.background{ background-color: rgb(0, 191,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor