

Converting Colors

XYZ(26.7016, 40.5772, 48.4415)

Have a look what the booklet for
XYZ(26.7016, 40.5772, 48.4415)
contains.

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Color

**XYZ(26.6667, 40.4760,
48.5266)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFB2
RGB	0, 191, 178
RGB Percent	0%, 75%, 70%
CMY	0.9999, 0.2510, 0.3020
CMYK	1.00, 0.00, 0.07, 0.25
HSL	176°, 100%, 37%
HSV	176°, 100%, 75%
XYZ	26.6667, 40.4760, 48.5266
YIQ	132.4090, -109.6630, -44.5350

Conversions

Conversions Part 2

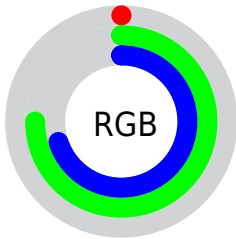
Format	Color
RYB	0, 99, 191
Decimal	49074
CIELab	69.81, -42.53, -4.83
CIELCh	70, 42.806, 186.473
Yxy	40.4760, 0.2305, 0.3499
Android (android.graphics.Color)	4278239154 (0xFF00BFB2)
YUV	132.4090, 22.4764, -116.1227
Hunter-Lab	63.6208, -36.5179, -0.6888

Details

The XYZ color **26.6667, 40.4760, 48.5266** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5599, 11.1066, 1.3894**, and the grayscale version is **22.0337, 23.1812, 25.2443**.

A 20% lighter version of the original color is **53.7855, 75.8420, 89.6461**, and **12.6473, 19.3720, 22.4746** is the 20% darker color. If you saturate the color by 10%, you get **26.6672, 40.4772, 48.5263**, and if you desaturate by 10%, it is **27.0699, 40.6696, 49.2313**.

Distribution



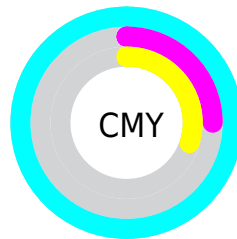
- Red (0%)
- Green (75%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.6667, 40.4760, 48.5266 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 26.6667, 40.4760, 48.5266 by changing the saturation by 10% instead.


 26.6667, 40.4760,
48.5266


 26.6667, 40.4760,
48.5266


278.2368,
348.1258, 397.4444


 17.4584, 27.9099,
33.8811


 53.7722, 75.8878,
89.3616


 10.6591, 18.2577,
22.5257


 72.4001, 99.5023,
116.3883


 5.9037, 11.1352,
14.0417


 94.8986, 127.5683,
148.3791

 2.8267, 6.1578,
8.0106

 121.6330,
160.4703, 185.7526

 1.0628, 2.9413,
4.0138

 152.9686,
198.5926, 228.9274

 0.0000, 1.1012,
1.6329

189.2709,

 0.0000, 0.0000,

242.3197, 278.3219

0.3142

230.9052,
292.0360, 334.3547

■ 0.0000, 0.0000,
0.0000

■ 26.6667, 40.4760,
48.5266

■ 26.6667, 40.4760,
48.5266

■ 26.6672, 40.4772,
48.5263

■ 27.0699, 40.6696,
49.2313

■ 27.7392, 40.9993,
49.9540

■ 28.7714, 41.5160,
50.7001

■ 30.2150, 42.2446,
51.4721

■ 32.1112, 43.2064,
52.2717

■ 34.4960, 44.4199,
53.1008

■ 37.4018, 45.9019,
53.9608

■ 40.8583, 47.6676,
54.8532

■ 44.8929, 49.7312,
55.7792

Harmonies

Analogous

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



27.4777, 40.4760, 30.4969



26.6667, 40.4760, 48.5266



28.6987, 40.4760, 70.9476

Triad

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



26.6667, 40.4760, 48.5266



46.9704, 40.4760, 82.5458



44.0533, 40.4760, 17.4787

Complementary

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



26.6667, 40.4760, 48.5266



21.5599, 11.1066, 1.3894

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.



50.2431, 40.4760, 25.0180



26.6667, 40.4760, 48.5266



52.0639, 40.4760, 61.1734

Square

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



26.6667, 40.4760, 48.5266



39.9969, 40.4760, 94.0575



53.3283, 40.4760, 39.8977



36.9848, 40.4760, 15.9413

Rectangle

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



26.6667, 40.4760, 48.5266



31.5551, 40.4760, 84.2722



53.3283, 40.4760, 39.8977



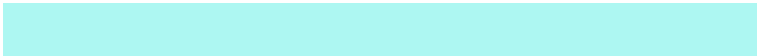
46.3305, 40.4760, 19.2547

Sweetspot

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



26.6679, 40.4775, 48.5276



66.7054, 82.0653, 96.5636



18.8444, 37.3727, 6.2214



14.1387, 17.7610, 21.0589



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.



26.6679, 40.4775, 48.5276



47.7225, 72.4777, 86.7131



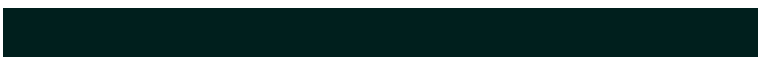
15.1365, 15.2255, 51.4330



9.7798, 10.7980, 12.0898



17.5368, 26.6050, 31.9532



0.6954, 1.0455, 1.2965

Inverse Universe

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



21.5599, 11.1066, 1.3894



38.5813, 19.8778, 2.3271



24.3266, 16.7564, 1.9531



9.5558, 9.5466, 10.0499



14.1793, 7.3029, 0.9717



0.5645, 0.2897, 0.0860

Previews

White Background



This preview shows how the XYZ color 26.6667, 40.4760, 48.5266 looks on a white background.

Color Contrast Check

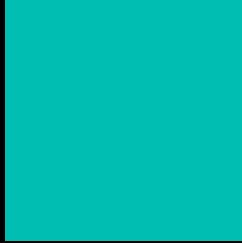
Large Text (above 18pt) WCAG AA × Fail

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 26.6667, 40.4760, 48.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

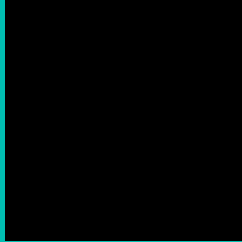
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

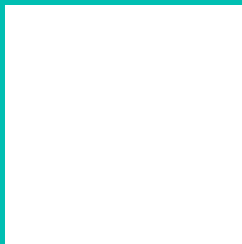
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.6667, 40.4760, 48.5266

Background



This preview shows how black text looks on a background with the XYZ color 26.6667, 40.4760, 48.5266.

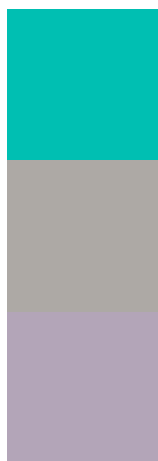


This preview shows how white text looks on a background with the XYZ color 26.6667, 40.4760,

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

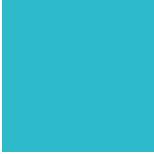
26.6667, 40.4760, 48.5266

Protanopia

38.2131, 39.9768, 41.2996

Deuteranopia

40.6973, 39.9547, 50.9144



Tritanopia

29.6320, 40.4103, 62.7381

Trichromacy



Original Color

26.6667, 40.4760, 48.5266



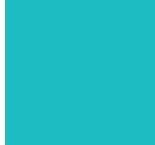
Protanomaly

29.4082, 37.6616, 43.7496



Deuteranomaly

30.5190, 37.2269, 49.8330



Tritanomaly

28.2275, 40.1227, 57.2956

Monochromacy



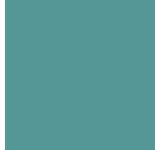
Original Color

26.6667, 40.4760, 48.5266



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.4722, 26.8372, 32.5349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6667, 40.4760, 48.5266 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 178) }
```

Border

The CSS property to change the border of an element to XYZ 26.6667, 40.4760, 48.5266 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, 178) }
```


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

```
.border{ border-color:rgb(0, 191, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6667, 40.4760, 48.5266 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, 178) }
```

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

```
.background{ background-color: rgb(0, 191,  
178) }
```

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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