

# Converting Colors

XYZ(25.7677, 40.1486, 47.4542)

Have a look what the booklet for  
XYZ(25.7677, 40.1486, 47.4542)  
contains.

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# Color

**XYZ(26.4673, 40.3962,  
47.4766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BFB0
RGB	0, 191, 176
RGB Percent	0%, 75%, 69%
CMY	0.9999, 0.2510, 0.3098
CMYK	1.00, 0.00, 0.08, 0.25
HSL	175°, 100%, 37%
HSV	175°, 100%, 75%
XYZ	26.4673, 40.3962, 47.4766
YIQ	132.1810, -109.0210, -45.1570

# Conversions

## Conversions Part 2

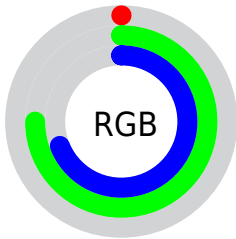
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 99, 191</a>
Decimal	<a href="#">49072</a>
CIELab	<a href="#">69.75, -43.11, -3.81</a>
CIELCh	<a href="#">70, 43.276, 185.055</a>
Yxy	<a href="#">40.3962, 0.2315, 0.3533</a>
Android (android.graphics.Color)	<a href="#">4278239152</a> ( <a href="#">0xFF00BFB0</a> )
YUV	<a href="#">132.1810, 21.6028, -115.9227</a>
Hunter-Lab	<a href="#">63.5580, -36.8942, 0.2021</a>

# Details

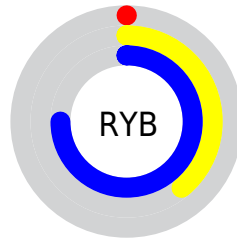
The XYZ color **26.4673, 40.3962, 47.4766** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5734, 11.1121, 1.4611**, and the grayscale version is **21.9543, 23.0977, 25.1533**.

A 20% lighter version of the original color is **53.4997, 75.7277, 88.1411**, and **12.5838, 19.3466, 22.1398** is the 20% darker color. If you saturate the color by 10%, you get **26.4678, 40.3974, 47.4761**, and if you desaturate by 10%, it is **26.8886, 40.5970, 48.2766**.

# Distribution



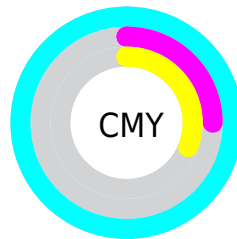
- Red (0%)
- Green (75%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4673, 40.3962, 47.4766 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 26.4673, 40.3962, 47.4766 by changing the saturation by 10% instead.





 26.4673, 40.3962,  
47.4766


 26.4673, 40.3962,  
47.4766


277.2834,  
347.7907, 393.1624


 17.3081, 27.8476,  
33.0555


 53.4538, 75.7665,  
87.7820


 10.5510, 18.2108,  
21.8975


 72.0118, 99.3569,  
114.5035


 5.8309, 11.1014,  
13.5840


 94.4334, 127.3967,  
146.1621

 2.7822, 6.1351,  
7.6965

 121.0840,  
160.2704, 183.1765

 1.0397, 2.9274,  
3.8164

 152.3289,  
198.3622, 225.9652

 0.0000, 1.0940,  
1.5252

188.5336,

 0.0000, 0.0000,

242.0566, 274.9467

0.2366

230.0633,  
291.7379, 330.5396

■ 0.0000, 0.0000,  
0.0000

■ 26.4673, 40.3962,  
47.4766

■ 26.4673, 40.3962,  
47.4766

■ 26.4678, 40.3974,  
47.4761

■ 26.8886, 40.5970,  
48.2766

■ 27.5764, 40.9342,  
49.0967

■ 28.6275, 41.4584,  
49.9425

■ 30.0905, 42.1948,  
50.8161

■ 32.0064, 43.1645,  
51.7197

■ 34.4113, 44.3861,  
52.6548

■ 37.3377, 45.8763,  
53.6231

■ 40.8152, 47.6504,  
54.6259

■ 44.8712, 49.7225,  
55.6646

# Harmonies

## Analogous

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



27.4193, 40.3962, 29.6233



26.4673, 40.3962, 47.4766



28.3797, 40.3962, 70.1077

# Triad

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



26.4673, 40.3962, 47.4766



46.6741, 40.3962, 83.7832



44.3687, 40.3962, 17.4360

# Complementary

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



26.4673, 40.3962, 47.4766



21.5734, 11.1121, 1.4611

# 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.



50.5272, 40.3962, 25.3209



26.4673, 40.3962, 47.4766



51.9678, 40.3962, 62.3676

# Square

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



26.4673, 40.3962, 47.4766



39.5961, 40.3962, 94.7665



53.4570, 40.3962, 40.6682



37.2192, 40.3962, 15.6383



# Rectangle

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



26.4673, 40.3962, 47.4766



31.1770, 40.3962, 83.8489



53.4570, 40.3962, 40.6682



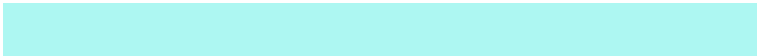
46.6498, 40.3962, 19.3131

# Sweetspot

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



26.4685, 40.3977, 47.4776



66.5887, 82.0186, 95.9492



18.8444, 37.3726, 6.2214



14.1096, 17.7494, 20.9057



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.



26.4685, 40.3977, 47.4776



47.3603, 72.3328, 84.8057



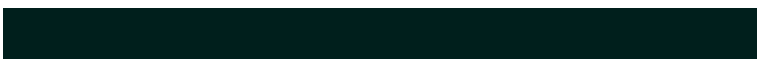
15.1365, 15.2255, 51.4329



9.7754, 10.7963, 12.0665



17.4074, 26.5532, 31.2718



0.6916, 1.0440, 1.2760



# Inverse Universe

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



21.5734, 11.1121, 1.4611



38.6026, 19.8864, 2.4394



24.3266, 16.7564, 1.9532



9.5598, 9.5482, 10.0708



14.1892, 7.3068, 1.0239

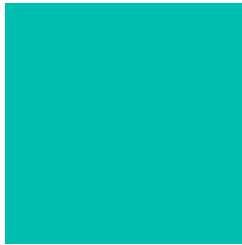


0.5663, 0.2904, 0.0952



# Previews

## White Background



This preview shows how the XYZ color 26.4673, 40.3962, 47.4766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

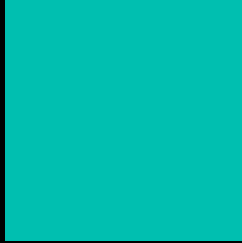
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.4673, 40.3962, 47.4766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

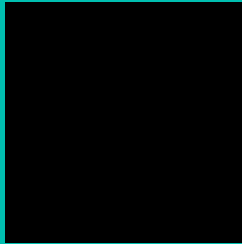
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

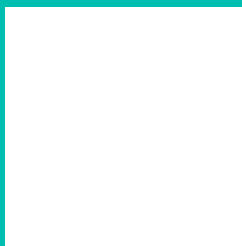
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.4673, 40.3962, 47.4766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.4673, 40.3962, 47.4766.



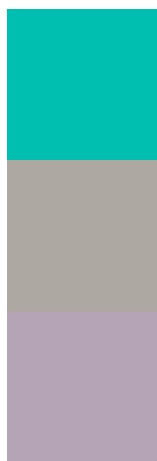
This preview shows how white text looks on a background with the XYZ color 26.4673, 40.3962,



# 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

26.4673, 40.3962, 47.4766

### Protanopia

38.0690, 39.6483, 40.2968

### Deuteranopia

40.5413, 39.6316, 49.7689



## Tritanopia

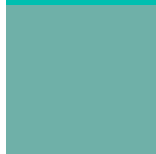
29.5577, 40.3858, 62.1145

# Trichromacy



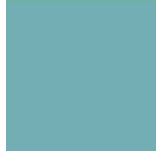
## Original Color

26.4673, 40.3962, 47.4766



## Protanomaly

29.1488, 37.2573, 42.7009



## Deuteranomaly

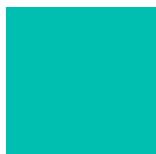
30.4445, 37.2122, 48.7581



## Tritanomaly

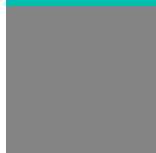
28.1156, 40.0779, 56.7060

# Monochromacy



## Original Color

26.4673, 40.3962, 47.4766



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

20.3927, 26.8054, 32.1161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4673, 40.3962, 47.4766 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4673, 40.3962, 47.4766 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, 176) }
```



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

```
.border{ border-color:rgb(0, 191, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4673, 40.3962, 47.4766 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, 176) }
```

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

```
.background{ background-color: rgb(0, 191,  
176) }
```

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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