

# Converting Colors

XYZ(22.0685, 38.5564, 49.5928)

Have a look what the booklet for  
XYZ(22.0685, 38.5564, 49.5928)  
contains.

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# Color

**XYZ(27.0879, 40.9946,  
49.6651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C0B4
RGB	0, 192, 180
RGB Percent	0%, 75%, 71%
CMY	0.9999, 0.2470, 0.2941
CMYK	1.00, 0.00, 0.06, 0.25
HSL	176°, 100%, 38%
HSV	176°, 100%, 75%
XYZ	27.0879, 40.9946, 49.6651
YIQ	133.2240, -110.5800, -44.4360

# Conversions

## Conversions Part 2

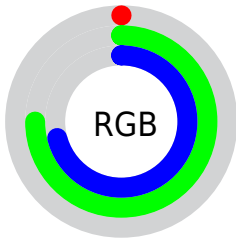
Format	Color
<a href="#">RYB</a>	<a href="#">0, 99, 192</a>
Decimal	<a href="#">49332</a>
CIELab	<a href="#">70.17, -42.39, -5.38</a>
CIELCh	<a href="#">70, 42.732, 187.236</a>
Yxy	<a href="#">40.9946, 0.2301, 0.3482</a>
Android (android.graphics.Color)	<a href="#">4278239412</a> ( <a href="#">0xFF00C0B4</a> )
YUV	<a href="#">133.2240, 23.0606, -116.8374</a>
Hunter-Lab	<a href="#">64.0270, -36.5293, -1.1717</a>

# Details

The XYZ color **27.0879, 40.9946, 49.6651** 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 **21.8060, 11.2343, 1.3682**, and the grayscale version is **22.3279, 23.4907, 25.5814**.

A 20% lighter version of the original color is **54.4955, 76.6323, 91.2762**, and **12.9192, 19.7093, 23.2020** is the 20% darker color. If you saturate the color by 10%, you get **27.0884, 40.9958, 49.6648**, and if you desaturate by 10%, it is **27.4847, 41.1859, 50.3258**.

# Distribution



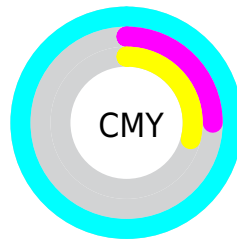
- Red (0%)
- Green (75%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0879, 40.9946, 49.6651 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 27.0879, 40.9946, 49.6651 by changing the saturation by 10% instead.





 27.0879, 40.9946,  
49.6651


 27.0879, 40.9946,  
49.6651


280.2423,  
350.2980, 402.0523


 17.7762, 28.3149,  
34.7781


 54.4438, 76.6757,  
91.0697


 10.8881, 18.5631,  
23.2098


 73.2186, 100.4458,  
118.4243


 6.0584, 11.3550,  
14.5417


 95.8786, 128.6816,  
150.7718

 2.9216, 6.3062,  
8.3554

 122.7890,  
161.7673, 188.5308

 1.1124, 3.0321,  
4.2322

 154.3152,  
200.0874, 232.1198

 0.0355, 1.1485,  
1.7535

190.8226,

 0.0000, 0.0191,

244.0263, 281.9574

0.3970

232.6765,  
293.9684, 338.4620

■ 0.0000, 0.0000,  
0.0000

■ 27.0879, 40.9946,  
49.6651

■ 27.0879, 40.9946,  
49.6651

■ 27.0884, 40.9958,  
49.6648

■ 27.4847, 41.1859,  
50.3258

■ 28.1510, 41.5151,  
51.0037

■ 29.1843, 42.0333,  
51.7044

■ 30.6340, 42.7661,  
52.4301

■ 32.5415, 43.7348,  
53.1828

■ 34.9435, 44.9582,  
53.9642

■ 37.8727, 46.4534,  
54.7760

■ 41.3593, 48.2357,  
55.6194

■ 45.4310, 50.3196,  
56.4959

# Harmonies

## Analogous

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



27.8326, 40.9946, 31.3306



27.0879, 40.9946, 49.6651



29.2082, 40.9946, 72.2322

# Triad

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



27.0879, 40.9946, 49.6651



47.6811, 40.9946, 82.8564



44.4027, 40.9946, 17.7082

# Complementary

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



27.0879, 40.9946, 49.6651



21.8060, 11.2343, 1.3682

# 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.



50.6814, 40.9946, 25.1519



27.0879, 40.9946, 49.6651



52.7267, 40.9946, 61.2587

# Square

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



27.0879, 40.9946, 49.6651



40.6827, 40.9946, 94.7818



53.8856, 40.9946, 39.9587



37.2947, 40.9946, 16.2935



# Rectangle

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



27.0879, 40.9946, 49.6651



32.1301, 40.9946, 85.4874



53.8856, 40.9946, 39.9587



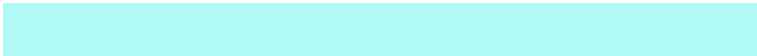
46.7045, 40.9946, 19.4509

# Sweetspot

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



27.0891, 40.9961, 49.6661



68.3320, 84.0205, 99.1729



19.0140, 37.7850, 6.2922



14.1542, 17.7672, 21.1406



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.



27.0891, 40.9961, 49.6661



49.0456, 74.2655, 89.8000



14.9644, 14.7046, 51.9204



10.3405, 11.4172, 12.7962



18.2378, 27.5892, 33.4748



0.7964, 1.1954, 1.4904



# Inverse Universe

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



21.8060, 11.2343, 1.3682



39.4792, 20.3418, 2.3212



24.8495, 17.4275, 2.0552



10.0982, 10.0879, 10.6075



14.6825, 7.5628, 0.9743



0.6434, 0.3304, 0.0894



# Previews

## White Background



This preview shows how the XYZ color 27.0879, 40.9946, 49.6651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

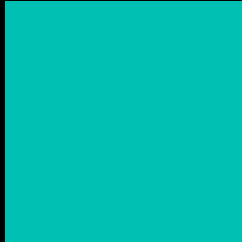
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0879, 40.9946, 49.6651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

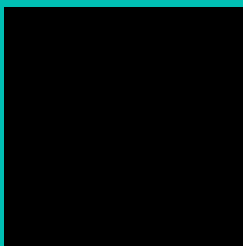
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

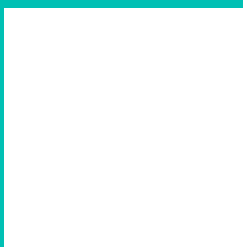
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.0879, 40.9946, 49.6651**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0879, 40.9946, 49.6651.



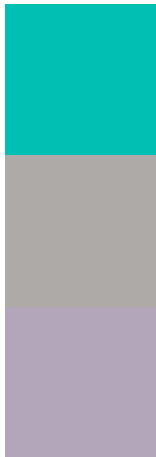
This preview shows how white text looks on a background with the XYZ color 27.0879, 40.9946,



# 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

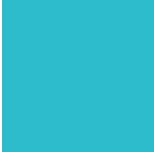
27.0879, 40.9946, 49.6651

### Protanopia

38.8053, 40.5381, 42.3386

### Deuteranopia

41.3215, 40.5209, 52.0978



## **Tritanopia**

29.9210, 40.8615, 63.4368

# Trichromacy



## Original Color

27.0879, 40.9946, 49.6651



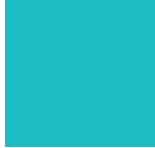
## Protanomaly

29.9223, 38.1989, 44.8258



## Deuteranomaly

31.0519, 37.7655, 51.0003



## Tritanomaly

28.5268, 40.5822, 57.9594

# Monochromacy



## Original Color

27.0879, 40.9946, 49.6651



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

20.8069, 27.2445, 33.0162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0879, 40.9946, 49.6651 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0879, 40.9946, 49.6651 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, 180) }
```



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

```
.border{ border-color:rgb(0, 192, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0879, 40.9946, 49.6651 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, 180) }
```

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

```
.background{ background-color: rgb(0, 192,  
180) }
```

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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