

# Converting Colors

XYZ(21.6920, 38.5774, 38.9336)

Have a look what the booklet for  
XYZ(21.6920, 38.5774, 38.9336)  
contains.

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# Color

**XYZ(25.1076, 40.2025,  
39.2374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C09F
RGB	0, 192, 159
RGB Percent	0%, 75%, 62%
CMY	0.9999, 0.2470, 0.3765
CMYK	1.00, 0.00, 0.17, 0.25
HSL	170°, 100%, 38%
HSV	170°, 100%, 75%
XYZ	25.1076, 40.2025, 39.2374
YIQ	130.8300, -103.8390, -50.9670

# Conversions

## Conversions Part 2

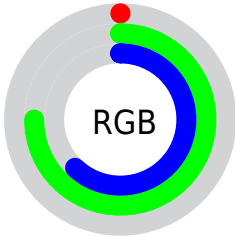
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 192
Decimal	49311
CIELab	69.61, -48.21, 5.29
CIElCh	70, 48.495, 173.742
Yxy	40.2025, 0.2402, 0.3845
Android (android.graphics.Color)	4278239391 (0xFF00C09F)
YUV	130.8300, 13.8878, -114.7379
Hunter-Lab	63.4054, -40.2762, 7.6932

# Details

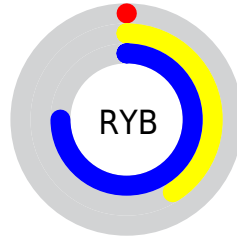
The XYZ color **25.1076, 40.2025, 39.2374** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.0141, 11.3173, 2.4647**, and the grayscale version is **21.4941, 22.6134, 24.6260**.

A 20% lighter version of the original color is **51.2688, 75.3157, 75.4536**, and **11.6524, 18.9740, 17.2356** is the 20% darker color. If you saturate the color by 10%, you get **25.1082, 40.2038, 39.2367**, and if you desaturate by 10%, it is **25.6717, 40.4607, 40.7800**.

# Distribution



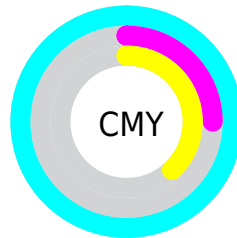
- Red (0%)
- Green (75%)
- Blue (62%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1076, 40.2025, 39.2374 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 25.1076, 40.2025, 39.2374 by changing the saturation by 10% instead.





 25.1076, 40.2025,  
39.2374


 25.1076, 40.2025,  
39.2374


270.7111,  
346.9763, 358.3548


 16.2864, 27.6965,  
26.6352


 51.2734, 75.4718,  
75.2252


 9.8192, 18.0970,  
17.0694


 69.3486, 99.0038,  
99.4478


 5.3406, 11.0196,  
10.1215


 91.2393, 126.9800,  
128.3811

 2.4852, 6.0800,  
5.3729

 117.3107,  
159.7846, 162.4434

 0.8878, 2.8938,  
2.4052

 147.9283,  
197.8022, 202.0535

 0.0000, 1.0765,  
0.7893

183.4573,

 0.0000, 0.0000,

241.4171, 247.6297

0.0000

224.2631,  
291.0137, 299.5906

■ 25.1076, 40.2025,  
39.2374

■ 25.1076, 40.2025,  
39.2374

■ 25.1082, 40.2038,  
39.2367

■ 25.6717, 40.4607,  
40.7800

■ 26.5118, 40.8594,  
42.3749

■ 27.7257, 41.4498,  
44.0277

■ 29.3625, 42.2574,  
45.7413

■ 31.4641, 43.3037,  
47.5176

■ 34.0668, 44.6074,  
49.3589

■ 37.2038, 46.1856,  
51.2668

■ 40.9051, 48.0537,  
53.2432

■ 45.1984, 50.2262,  
55.2895

# Harmonies

## Analogous

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



27.3056, 40.2025, 22.8946



25.1076, 40.2025, 39.2374



26.0141, 40.2025, 63.5431

# Triad

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



25.1076, 40.2025, 39.2374



44.6031, 40.2025, 96.3324



47.8310, 40.2025, 17.3869

# Complementary

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



25.1076, 40.2025, 39.2374



22.0141, 11.3173, 2.4647

# 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.



53.7260, 40.2025, 28.5996



25.1076, 40.2025, 39.2374



51.6913, 40.2025, 74.5683

# Square

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



25.1076, 40.2025, 39.2374



36.5926, 40.2025, 102.1901



55.2272, 40.2025, 48.6468



39.8769, 40.2025, 13.3684



# Rectangle

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



25.1076, 40.2025, 39.2374



28.3285, 40.2025, 80.8926



55.2272, 40.2025, 48.6468



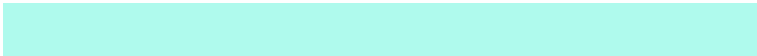
50.1606, 40.2025, 20.2066

# Sweetspot

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



25.1087, 40.2040, 39.2384



67.1059, 83.5301, 92.7165



19.5510, 38.0618, 6.3168



13.8566, 17.6481, 19.5729



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.



25.1087, 40.2040, 39.2384



45.4100, 72.8113, 70.6551



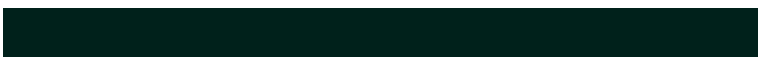
17.6594, 20.0948, 52.8189



10.2918, 11.3978, 12.5399



16.9198, 27.0620, 26.5345



0.7511, 1.1773, 1.2522



# Inverse Universe

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



22.0141, 11.3173, 2.4647



39.8238, 20.4796, 4.1355



23.3980, 14.5247, 1.5709



10.1423, 10.1055, 10.8399



14.8325, 7.6228, 1.7642

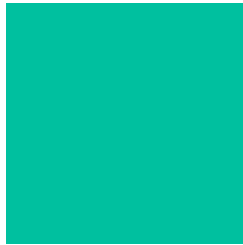


0.6632, 0.3383, 0.1940



# Previews

## White Background



This preview shows how the XYZ color 25.1076, 40.2025, 39.2374 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 25.1076, 40.2025, 39.2374 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

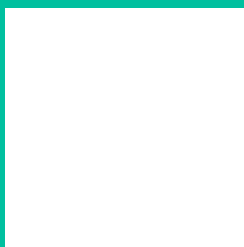
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.1076, 40.2025, 39.2374**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.1076, 40.2025, 39.2374.



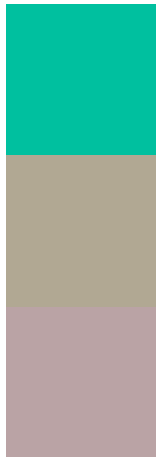
This preview shows how white text looks on a background with the XYZ color 25.1076, 40.2025,



# 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

25.1076, 40.2025, 39.2374

### Protanopia

37.4006, 39.4590, 33.2489

### Deuteranopia

40.1384, 39.3501, 41.0771



## Tritanopia

29.7324, 40.1756, 61.4459

# Trichromacy



## Original Color

25.1076, 40.2025, 39.2374



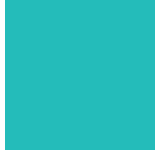
## Protanomaly

28.1181, 37.1894, 34.9744



## Deuteranomaly

29.2181, 36.7680, 40.2073



## Tritanomaly

27.5737, 39.8867, 52.7000

# Monochromacy



## Original Color

25.1076, 40.2025, 39.2374



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

19.7662, 26.5446, 29.2811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1076, 40.2025, 39.2374 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1076, 40.2025, 39.2374 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, 159) }
```



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

```
.border{ border-color:rgb(0, 192, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.1076, 40.2025, 39.2374 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, 159) }
```

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

```
.background{ background-color: rgb(0, 192,  
159) }
```

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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