

Converting Colors

XYZ(19.7990, 37.4844, 32.3285)

Have a look what the booklet for
XYZ(19.7990, 37.4844, 32.3285)
contains.

| | |
|------------------------------------------------|----|
| XYZ(23.8076, 39.6824, 32.3913) | 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(23.8076, 39.6824,
32.3913)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00C08F |
| RGB | 0, 192, 143 |
| RGB Percent | 0%, 75%, 56% |
| CMY | 0.9999, 0.2470, 0.4392 |
| CMYK | 1.00, 0.00, 0.26, 0.25 |
| HSL | 165°, 100%, 38% |
| HSV | 165°, 100%, 75% |
| XYZ | 23.8076, 39.6824, 32.3913 |
| YIQ | 129.0060, -98.7030, -55.9430 |

Conversions

Conversions Part 2

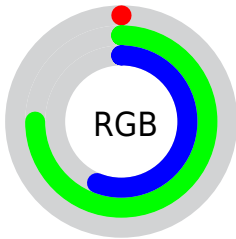
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 110, 192 |
| Decimal | 49295 |
| CIELab | 69.24, -52.24, 13.46 |
| CIELCh | 69, 53.948, 165.554 |
| Yxy | 39.6824, 0.2483, 0.4139 |
| Android (android.graphics.Color) | 4278239375 (0xFF00C08F) |
| YUV | 129.0060, 6.8990, -113.1383 |
| Hunter-Lab | 62.9940, -42.7781, 13.6090 |

Details

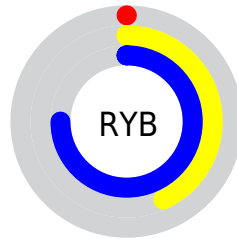
The XYZ color **23.8076, 39.6824, 32.3913** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.2942, 11.4294, 3.9399**, and the grayscale version is **20.8730, 21.9600, 23.9144**.

A 20% lighter version of the original color is **49.0993, 74.4352, 64.6030**, and **10.9214, 18.6816, 13.3862** is the 20% darker color. If you saturate the color by 10%, you get **23.8078, 39.6836, 32.3895**, and if you desaturate by 10%, it is **24.4609, 39.9763, 34.4035**.

Distribution



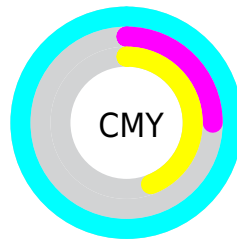
- Red (0%)
- Green (75%)
- Blue (56%)



- Red (0%)
- Yellow (43%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8076, 39.6824, 32.3913 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 23.8076, 39.6824, 32.3913 by changing the saturation by 10% instead.


 23.8076, 39.6824,
32.3913


 23.8076, 39.6824,
32.3913


264.3049,
344.7831, 327.4454


 15.3149, 27.2910,
21.3933


 49.1730, 74.6796,
64.5290


 9.1285, 17.7919,
13.2177


 66.7765, 98.0543,
86.5058


 4.8828, 10.8007,
7.4462


 88.1475, 125.8588,
112.9793

 2.2127, 5.9330,
3.6600

 113.6516,
158.4775, 144.3679

 0.7494, 2.8044,
1.4407

 143.6540,
196.2950, 181.0903

 0.0000, 1.0305,
0.1732

178.5201,

 0.0000, 0.0000,

239.6954, 223.5650

0.0000

218.6153,
289.0634, 272.2105

■ 23.8076, 39.6824,
32.3913

■ 23.8076, 39.6824,
32.3913

■ 23.8078, 39.6836,
32.3895

■ 24.4609, 39.9763,
34.4035

■ 25.3990, 40.4142,
36.5140

■ 26.7198, 41.0474,
38.7291

■ 28.4725, 41.9014,
41.0522

■ 30.6991, 42.9977,
43.4862

■ 33.4362, 44.3551,
46.0339

■ 36.7168, 45.9908,
48.6977

■ 40.5713, 47.9203,
51.4801

■ 45.0275, 50.1579,
54.3832

Harmonies

Analogous

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



27.0560, 39.6824, 17.7198



23.8076, 39.6824, 32.3913



23.8688, 39.6824, 57.2629

Triad

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



23.8076, 39.6824, 32.3913



42.3495, 39.6824, 107.1658



50.5876, 39.6824, 17.3632

Complementary

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



23.8076, 39.6824, 32.3913



22.2942, 11.4294, 3.9399

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.



56.0930, 39.6824, 31.6635



23.8076, 39.6824, 32.3913



50.8644, 39.6824, 85.8227

Square

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



23.8076, 39.6824, 32.3913



33.7223, 39.6824, 107.6027



56.2014, 39.6824, 56.1974



42.0152, 39.6824, 11.5690

Rectangle

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



23.8076, 39.6824, 32.3913



25.7508, 39.6824, 77.1993



56.2014, 39.6824, 56.1974



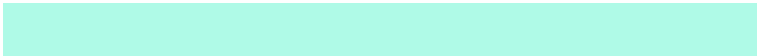
52.9123, 39.6824, 21.0258

Sweetspot

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



23.8087, 39.6840, 32.3922



66.2085, 83.1711, 87.9909



20.2268, 38.4102, 6.3486



13.6399, 17.5615, 18.4322



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.



23.8087, 39.6840, 32.3922



43.0296, 71.8591, 58.1202



19.9813, 24.7384, 53.5927



10.2552, 11.3831, 12.3470



16.0524, 26.7150, 21.9669



0.7202, 1.1649, 1.0891

Inverse Universe

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



22.2942, 11.4294, 3.9399



40.3078, 20.6733, 6.6845



22.6707, 13.0701, 1.3287



10.1763, 10.1191, 11.0192



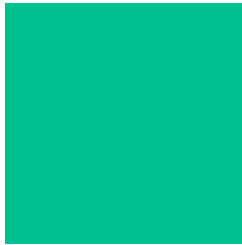
15.0278, 7.7009, 2.7927



0.6784, 0.3444, 0.2737

Previews

White Background



This preview shows how the XYZ color 23.8076, 39.6824, 32.3913 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 23.8076, 39.6824, 32.3913 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 23.8076, 39.6824, 32.3913

Background



This preview shows how black text looks on a background with the XYZ color 23.8076, 39.6824, 32.3913.

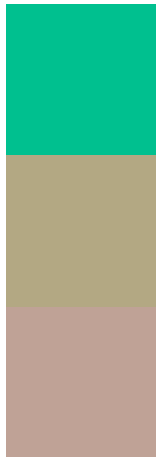


This preview shows how white text looks on a background with the XYZ color 23.8076, 39.6824,

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

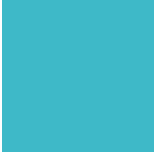
23.8076, 39.6824, 32.3913

Protanopia

36.6898, 39.2277, 27.1107

Deuteranopia

39.9112, 39.1190, 34.3013



Tritanopia

29.7609, 39.8922, 60.7750

Trichromacy



Original Color

23.8076, 39.6824, 32.3913



Protanomaly

27.0347, 36.7710, 28.5943



Deuteranomaly

28.2361, 36.1313, 33.0896



Tritanomaly

26.9566, 39.6524, 48.8808

Monochromacy



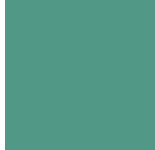
Original Color

23.8076, 39.6824, 32.3913



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.0110, 25.9715, 26.5653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8076, 39.6824, 32.3913 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.8076, 39.6824, 32.3913 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, 143) }
```


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

```
.border{ border-color:rgb(0, 192, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8076, 39.6824, 32.3913 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, 143) }
```

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

```
.background{ background-color: rgb(0, 192,  
143) }
```

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