

Converting Colors

XYZ(22.9592, 40.0781, 32.1075)

Have a look what the booklet for
XYZ(22.9592, 40.0781, 32.1075)
contains.

XYZ(24.3976, 40.9832, 32.2159)	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(24.3976, 40.9832,
32.2159)**

Conversions

Conversions Part 1

Format	Color
Hex	00C38E
RGB	0, 195, 142
RGB Percent	0%, 76%, 56%
CMY	0.9999, 0.2353, 0.4431
CMYK	1.00, 0.00, 0.27, 0.24
HSL	164°, 100%, 38%
HSV	164°, 100%, 76%
XYZ	24.3976, 40.9832, 32.2159
YIQ	130.6530, -99.2070, -57.8230

Conversions

Conversions Part 2

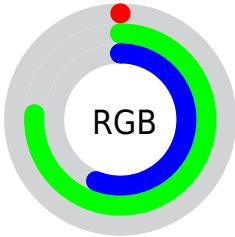
Format	Color
RYB	0, 113, 195
Decimal	50062
CIELab	70.16, -53.63, 15.29
CIELCh	70, 55.769, 164.089
Yxy	40.9832, 0.2500, 0.4199
Android (android.graphics.Color)	4278240142 (0xFF00C38E)
YUV	130.6530, 5.5941, -114.5827
Hunter-Lab	64.0181, -44.0045, 14.9761

Details

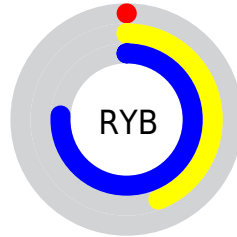
The XYZ color **24.3976, 40.9832, 32.2159** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.1498, 11.8602, 4.4400**, and the grayscale version is **21.4585, 22.5760, 24.5852**.

A 20% lighter version of the original color is **50.2347, 76.8887, 64.4179**, and **11.3099, 19.5289, 13.2986** is the 20% darker color. If you saturate the color by 10%, you get **24.3980, 40.9845, 32.2146**, and if you desaturate by 10%, it is **25.0849, 41.2915, 34.3764**.

Distribution



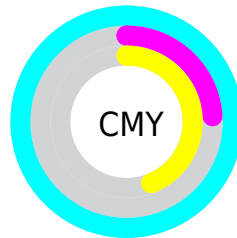
- Red (0%)
- Green (76%)
- Blue (56%)



- Red (0%)
- Yellow (44%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3976, 40.9832, 32.2159 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 24.3976, 40.9832, 32.2159 by changing the saturation by 10% instead.


 24.3976, 40.9832,
32.2159


 24.3976, 40.9832,
32.2159


267.2278,
350.2504, 326.6246


 15.7552, 28.3060,
21.2603


 50.1282, 76.6584,
64.2512


 9.4408, 18.5564,
13.1213


 67.9471, 100.4251,
86.1680

 5.0892, 11.3502,
7.3804


 89.5555, 128.6572,
112.5756

 2.3350, 6.3029,
3.6191

 115.3188,
161.7389, 143.8926

 0.8125, 3.0301,
1.4188

 145.6023,
200.0546, 180.5374

 0.0000, 1.1475,
0.1563

180.7714,

 0.0000, 0.0182,

243.9889, 222.9286

0.0000

221.1915,
293.9260, 271.4848

■ 0.0000, 0.0000,
0.0000

■ 24.3976, 40.9832,
32.2159

■ 24.3976, 40.9832,
32.2159

■ 24.3980, 40.9845,
32.2146

■ 25.0849, 41.2915,
34.3764

■ 26.0704, 41.7502,
36.6500

■ 27.4545, 42.4122,
39.0438

■ 29.2887, 43.3040,
41.5614

■ 31.6165, 44.4478,
44.2061

■ 34.4761, 45.8636,
46.9808

■ 37.9018, 47.5688,
49.8885

■ 41.9252, 49.5797,
52.9318

■ 46.5752, 51.9113,
56.1132

Harmonies

Analogous

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



27.9753, 40.9832, 17.3856



24.3976, 40.9832, 32.2159



24.2920, 40.9832, 58.0093

Triad

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



24.3976, 40.9832, 32.2159



43.3829, 40.9832, 113.2685



52.9652, 40.9832, 17.9953

Complementary

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



24.3976, 40.9832, 32.2159



23.1498, 11.8602, 4.4400

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.



58.5721, 40.9832, 33.4741



24.3976, 40.9832, 32.2159



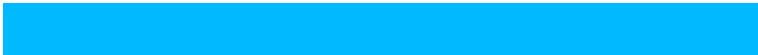
52.4825, 40.9832, 91.3272

Square

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



24.3976, 40.9832, 32.2159



34.3381, 40.9832, 112.5007



58.3828, 40.9832, 59.8672



43.9646, 40.9832, 11.6422

Rectangle

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



24.3976, 40.9832, 32.2159



26.1533, 40.9832, 79.1327



58.3828, 40.9832, 59.8672



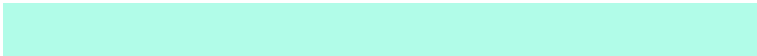
55.3677, 40.9832, 21.9676

Sweetspot

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



24.3987, 40.9848, 32.2169



67.5646, 85.0359, 89.0947



21.1061, 39.8514, 6.5803



14.1949, 18.3225, 19.0151



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3987, 40.9848, 32.2169



43.5855, 73.3572, 57.1148



21.2024, 26.6434, 55.6568



10.2479, 11.3802, 12.3088



15.8936, 26.6515, 21.1304



0.7143, 1.1626, 1.0585

Inverse Universe

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



23.1498, 11.8602, 4.4400



41.3705, 21.2046, 7.4814



23.3441, 13.2775, 1.3331



10.1832, 10.1219, 11.0551



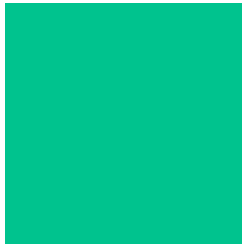
15.0759, 7.7201, 3.0459



0.6814, 0.3456, 0.2895

Previews

White Background



This preview shows how the XYZ color 24.3976, 40.9832, 32.2159 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 24.3976, 40.9832, 32.2159 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

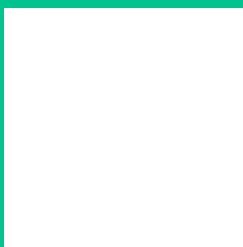
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3976, 40.9832, 32.2159

Background



This preview shows how black text looks on a background with the XYZ color 24.3976, 40.9832, 32.2159.



This preview shows how white text looks on a background with the XYZ color 24.3976, 40.9832,

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

24.3976, 40.9832, 32.2159

Protanopia

37.6954, 40.3062, 26.9122

Deuteranopia

40.9484, 40.1902, 34.0330



Tritanopia

30.5453, 40.8949, 62.1607

Trichromacy



Original Color

24.3976, 40.9832, 32.2159



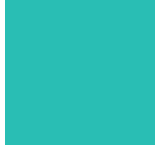
Protanomaly

27.6256, 37.6744, 28.3701



Deuteranomaly

28.6867, 36.9462, 32.8135



Tritanomaly

27.5661, 40.5936, 49.5625

Monochromacy



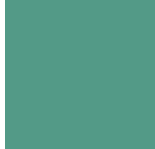
Original Color

24.3976, 40.9832, 32.2159



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.4961, 26.6995, 27.0476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3976, 40.9832, 32.2159 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, 195, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 142)  
}
```

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, 195, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 142) }
```

Border

The CSS property to change the border of an element to XYZ 24.3976, 40.9832, 32.2159 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, 195, 142) }
```


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

```
.border{ border-color:rgb(0, 195, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 195, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3976, 40.9832, 32.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 142) }
```

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

```
.background{ background-color: rgb(0, 195,  
142) }
```

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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