

Converting Colors

XYZ(13.6160, 34.4329, 35.7244)

Have a look what the booklet for
XYZ(13.6160, 34.4329, 35.7244)
contains.

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Color

**XYZ(24.5171, 39.9663,
36.1278)**

Conversions

Conversions Part 1

Format	Color
Hex	00C098
RGB	0, 192, 152
RGB Percent	0%, 75%, 60%
CMY	0.9999, 0.2470, 0.4039
CMYK	1.00, 0.00, 0.21, 0.25
HSL	167°, 100%, 38%
HSV	167°, 100%, 75%
XYZ	24.5171, 39.9663, 36.1278
YIQ	130.0320, -101.5920, -53.1440

Conversions

Conversions Part 2

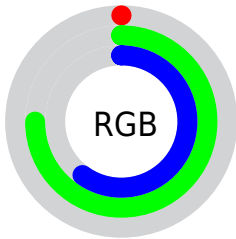
Format	Color
RYB	0, 107, 192
Decimal	49304
CIELab	69.45, -50.02, 8.86
CIELCh	69, 50.795, 169.955
Yxy	39.9663, 0.2437, 0.3972
Android (android.graphics.Color)	4278239384 (0xFF00C098)
YUV	130.0320, 10.8302, -114.0381
Hunter-Lab	63.2189, -41.4085, 10.3707

Details

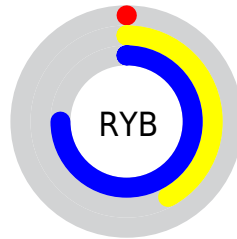
The XYZ color **24.5171, 39.9663, 36.1278** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.1226, 11.3607, 3.0362**, and the grayscale version is **21.2206, 22.3258, 24.3127**.

A 20% lighter version of the original color is **50.1618, 74.8602, 70.1982**, and **11.2946, 18.8309, 15.3514** is the 20% darker color. If you saturate the color by 10%, you get **24.5176, 39.9676, 36.1270**, and if you desaturate by 10%, it is **25.1241, 40.2417, 37.8967**.

Distribution



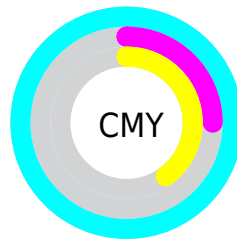
- Red (0%)
- Green (75%)
- Blue (60%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5171, 39.9663, 36.1278 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 24.5171, 39.9663, 36.1278 by changing the saturation by 10% instead.

■ 24.5171, 39.9663,
36.1278

■ 24.5171, 39.9663,
36.1278

267.8167,
345.9815, 344.5731

■ 15.8445, 27.5123,
24.2424

■ 50.3213, 75.1122,
70.4005

■ 9.5043, 17.9583,
15.2997

■ 68.1835, 98.5728,
93.6250

■ 5.1313, 10.9201,
8.8810

■ 89.8397, 126.4712,
121.4662

■ 2.3600, 6.0131,
4.5679

■ 115.6551,
159.1915, 154.3428

■ 0.8251, 2.8531,
1.9418

■ 145.9952,
197.1184, 192.6732

■ 0.0000, 1.0555,
0.5191

181.2252,

■ 0.0000, 0.0000,

240.6360, 236.8761

0.0000

221.7106,
290.1290, 287.3698

■ 24.5171, 39.9663,
36.1278

■ 24.5171, 39.9663,
36.1278

■ 24.5176, 39.9676,
36.1270

■ 25.1241, 40.2417,
37.8967

■ 26.0106, 40.6589,
39.7360

■ 27.2744, 41.2693,
41.6518

■ 28.9647, 42.0983,
43.6468

■ 31.1233, 43.1674,
45.7237

■ 33.7867, 44.4953,
47.8846

■ 36.9880, 46.0993,
50.1316

■ 40.7573, 47.9946,
52.4665

■ 45.1225, 50.1958,
54.8913

Harmonies

Analogous

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



27.1803, 39.9663, 20.5051



24.5171, 39.9663, 36.1278



25.0456, 39.9663, 60.7569

Triad

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



24.5171, 39.9663, 36.1278



43.6071, 39.9663, 101.0210



49.0230, 39.9663, 17.3528

Complementary

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



24.5171, 39.9663, 36.1278



22.1226, 11.3607, 3.0362

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.



54.7583, 39.9663, 29.8914



24.5171, 39.9663, 36.1278



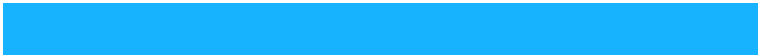
51.3339, 39.9663, 79.3772

Square

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



24.5171, 39.9663, 36.1278



35.3107, 39.9663, 104.5904



55.6599, 39.9663, 51.8496



40.7947, 39.9663, 12.5387

Rectangle

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



24.5171, 39.9663, 36.1278



27.1676, 39.9663, 79.2959



55.6599, 39.9663, 51.8496



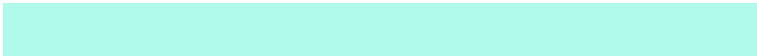
51.3535, 39.9663, 20.5381

Sweetspot

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



24.5182, 39.9678, 36.1287



66.7095, 83.3715, 90.6288



19.7897, 38.1849, 6.3280



13.7607, 17.6098, 19.0682



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.



24.5182, 39.9678, 36.1287



44.3281, 72.3785, 64.9580



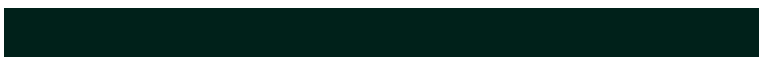
18.5473, 21.8707, 53.1149



10.2757, 11.3913, 12.4553



16.5261, 26.9045, 24.4613



0.7372, 1.1717, 1.1789

Inverse Universe

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



22.1226, 11.3607, 3.0362



40.0099, 20.5541, 5.1156



23.0777, 13.8841, 1.4641



10.1571, 10.1115, 10.9181



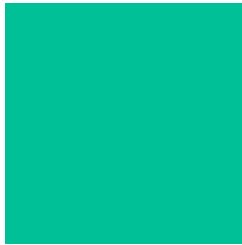
14.9087, 7.6532, 2.1653



0.6699, 0.3410, 0.2289

Previews

White Background



This preview shows how the XYZ color 24.5171, 39.9663, 36.1278 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 24.5171, 39.9663, 36.1278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

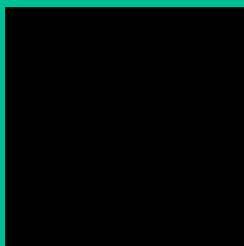
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

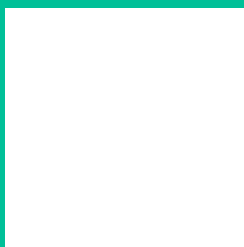
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5171, 39.9663, 36.1278

Background



This preview shows how black text looks on a background with the XYZ color 24.5171, 39.9663, 36.1278.

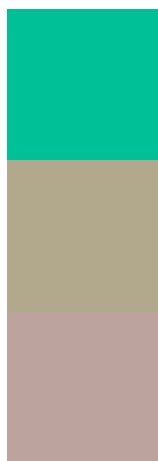


This preview shows how white text looks on a background with the XYZ color 24.5171, 39.9663,

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

24.5171, 39.9663, 36.1278

Protanopia

37.0964, 39.3637, 30.4537

Deuteranopia

40.0078, 39.3544, 37.8353



Tritanopia

29.5779, 39.7979, 60.7664

Trichromacy



Original Color

24.5171, 39.9663, 36.1278



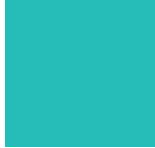
Protanomaly

27.5662, 36.9686, 32.0683



Deuteranomaly

28.8825, 36.6655, 37.0074



Tritanomaly

27.3298, 39.7974, 51.0410

Monochromacy



Original Color

24.5171, 39.9663, 36.1278



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.5460, 26.4564, 28.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5171, 39.9663, 36.1278 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 152) }
```

Border

The CSS property to change the border of an element to XYZ 24.5171, 39.9663, 36.1278 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, 152) }
```


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

```
.border{ border-color:rgb(0, 192, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5171, 39.9663, 36.1278 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, 152) }
```

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

```
.background{ background-color: rgb(0, 192,  
152) }
```

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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