

Converting Colors

XYZ(22.2792, 38.9123, 36.3358)

Have a look what the booklet for
XYZ(22.2792, 38.9123, 36.3358)
contains.

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Color

**XYZ(24.5994, 39.9992,
36.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	00C099
RGB	0, 192, 153
RGB Percent	0%, 75%, 60%
CMY	0.9999, 0.2470, 0.4000
CMYK	1.00, 0.00, 0.20, 0.25
HSL	168°, 100%, 38%
HSV	168°, 100%, 75%
XYZ	24.5994, 39.9992, 36.5611
YIQ	130.1460, -101.9130, -52.8330

Conversions

Conversions Part 2

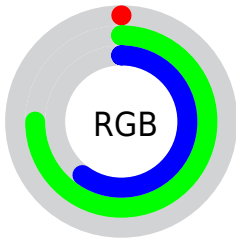
Format	Color
RYB	0, 107, 192
Decimal	49305
CIELab	69.47, -49.76, 8.35
CIELCh	69, 50.457, 170.476
Yxy	39.9992, 0.2432, 0.3954
Android (android.graphics.Color)	4278239385 (0xFF00C099)
YUV	130.1460, 11.2670, -114.1380
Hunter-Lab	63.2449, -41.2502, 9.9966

Details

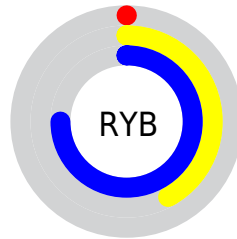
The XYZ color **24.5994, 39.9992, 36.5611** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.1059, 11.3540, 2.9480**, and the grayscale version is **21.2598, 22.3670, 24.3577**.

A 20% lighter version of the original color is **50.2838, 74.9090, 70.8401**, and **11.3439, 18.8506, 15.6110** is the 20% darker color. If you saturate the color by 10%, you get **24.5999, 40.0005, 36.5600**, and if you desaturate by 10%, it is **25.2007, 40.2723, 38.2997**.

Distribution



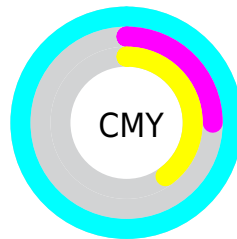
- Red (0%)
- Green (75%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5994, 39.9992, 36.5611 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 24.5994, 39.9992, 36.5611 by changing the saturation by 10% instead.


 24.5994, 39.9992,
36.5611


 24.5994, 39.9992,
36.5611


268.2216,
346.1202, 346.5177


 15.9060, 27.5379,
24.5747

 50.4542, 75.1623,
71.0760

 9.5481, 17.9776,
15.5444


 68.3462, 98.6329,
94.4416


 5.1603, 10.9339,
9.0515


 90.0352, 126.5421,
122.4374

 2.3774, 6.0224,
4.6775

 115.8865,
159.2742, 155.4819

 0.8338, 2.8587,
2.0039

 146.2654,
197.2137, 193.9936

 0.0000, 1.0584,
0.5577

181.5374,

 0.0000, 0.0000,

240.7449, 238.3911

0.0000

222.0676,
290.2523, 289.0930

■ 24.5994, 39.9992,
36.5611

■ 24.5994, 39.9992,
36.5611

■ 24.5999, 40.0005,
36.5600

■ 25.2007, 40.2723,
38.2997

■ 26.0810, 40.6871,
40.1059

■ 27.3380, 41.2948,
41.9858

■ 29.0210, 42.1208,
43.9421

■ 31.1717, 43.1867,
45.9773

■ 33.8267, 44.5114,
48.0935

■ 37.0191, 46.1117,
50.2929

■ 40.7789, 48.0033,
52.5772

■ 45.1339, 50.2004,
54.9483

Harmonies

Analogous

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



27.1967, 39.9992, 20.8343



24.5994, 39.9992, 36.5611



25.1811, 39.9992, 61.1514

Triad

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



24.5994, 39.9992, 36.5611



43.7485, 39.9992, 100.3456



48.8512, 39.9992, 17.3555

Complementary

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



24.5994, 39.9992, 36.5611



22.1059, 11.3540, 2.9480

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.



54.6104, 39.9992, 29.7022



24.5994, 39.9992, 36.5611



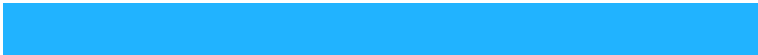
51.3854, 39.9992, 78.6789

Square

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



24.5994, 39.9992, 36.5611



35.4914, 39.9992, 104.2501



55.5986, 39.9992, 51.3824



40.6619, 39.9992, 12.6531

Rectangle

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



24.5994, 39.9992, 36.5611



27.3303, 39.9992, 79.5258



55.5986, 39.9992, 51.3824



51.1819, 39.9992, 20.4883

Sweetspot

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



24.6005, 40.0007, 36.5620



66.7657, 83.3940, 90.9250



19.7897, 38.1849, 6.3280



13.7743, 17.6152, 19.1397



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.



24.6005, 40.0007, 36.5620



44.4787, 72.4387, 65.7511



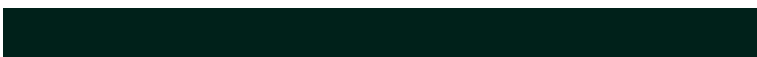
18.5475, 21.8709, 53.1149



10.2780, 11.3923, 12.4674



16.5810, 26.9264, 24.7501



0.7392, 1.1725, 1.1892

Inverse Universe

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



22.1059, 11.3540, 2.9480



39.9809, 20.5425, 4.9631



23.0778, 13.8842, 1.4642



10.1550, 10.1106, 10.9069



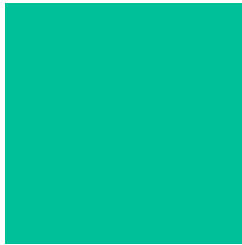
14.8969, 7.6485, 2.1035



0.6689, 0.3406, 0.2239

Previews

White Background



This preview shows how the XYZ color 24.5994, 39.9992, 36.5611 looks on a white background.

Color Contrast Check

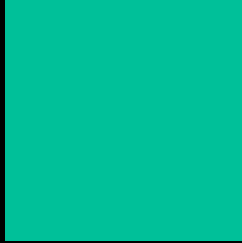
Large Text (above 18pt) WCAG AA × Fail

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 24.5994, 39.9992, 36.5611 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 24.5994, 39.9992, 36.5611

Background



This preview shows how black text looks on a background with the XYZ color 24.5994, 39.9992, 36.5611.



This preview shows how white text looks on a background with the XYZ color 24.5994, 39.9992,

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

24.5994, 39.9992, 36.5611

Protanopia

37.1704, 39.3933, 30.8439

Deuteranopia

40.0942, 39.3890, 38.2905



Tritanopia

29.8464, 40.2344, 61.4513

Trichromacy



Original Color

24.5994, 39.9992, 36.5611



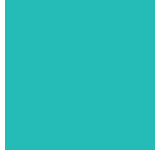
Protanomaly

27.6430, 36.9993, 32.4727



Deuteranomaly

28.9676, 36.6995, 37.4552



Tritanomaly

27.3979, 39.8204, 51.5895

Monochromacy



Original Color

24.5994, 39.9992, 36.5611



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 24.5994, 39.9992, 36.5611 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 153) }
```

Border

The CSS property to change the border of an element to XYZ 24.5994, 39.9992, 36.5611 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, 153) }
```


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

```
.border{ border-color:rgb(0, 192, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5994, 39.9992, 36.5611 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, 153) }
```

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

```
.background{ background-color: rgb(0, 192,  
153) }
```

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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