

Converting Colors

XYZ(24.4335, 39.6700, 36.4978)

Have a look what the booklet for
XYZ(24.4335, 39.6700, 36.4978)
contains.

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Color

**XYZ(24.3806, 39.5615,
36.4881)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF99
RGB	0, 191, 153
RGB Percent	0%, 75%, 60%
CMY	0.9999, 0.2510, 0.4000
CMYK	1.00, 0.00, 0.20, 0.25
HSL	168°, 100%, 37%
HSV	168°, 100%, 75%
XYZ	24.3806, 39.5615, 36.4881
YIQ	129.5590, -101.6380, -52.3100

Conversions

Conversions Part 2

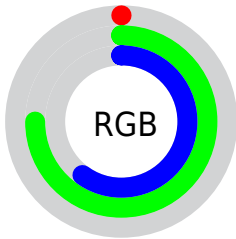
Format	Color
RYB	0, 106, 191
Decimal	49049
CIELab	69.16, -49.36, 7.90
CIELCh	69, 49.989, 170.905
Yxy	39.5615, 0.2428, 0.3939
Android (android.graphics.Color)	4278239129 (0xFF00BF99)
YUV	129.5590, 11.5564, -113.6232
Hunter-Lab	62.8979, -40.8809, 9.6335

Details

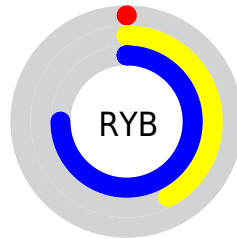
The XYZ color **24.3806, 39.5615, 36.4881** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.8372, 11.2175, 2.8505**, and the grayscale version is **21.0522, 22.1485, 24.1198**.

A 20% lighter version of the original color is **49.9755, 74.2924, 70.7374**, and **11.2024, 18.5676, 15.5639** is the 20% darker color. If you saturate the color by 10%, you get **24.3809, 39.5627, 36.4865**, and if you desaturate by 10%, it is **24.9715, 39.8302, 38.1817**.

Distribution



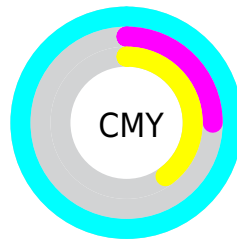
- Red (0%)
- Green (75%)
- Blue (60%)



- 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 24.3806, 39.5615, 36.4881 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 24.3806, 39.5615, 36.4881 by changing the saturation by 10% instead.


 24.3806, 39.5615,
36.4881


 24.3806, 39.5615,
36.4881


267.1440,
344.2719, 346.1907


 15.7425, 27.1968,
24.5187


 50.1007, 74.4953,
70.9623


 9.4318, 17.7211,
15.5031


 67.9134, 97.8332,
94.3042


 5.0832, 10.7499,
9.0227


 89.5151, 125.5977,
122.2740

 2.3314, 5.8989,
4.6590

 115.2709,
158.1731, 155.2902

 0.8107, 2.7837,
1.9934

 145.5464,
195.9438, 193.7715

 0.0000, 1.0199,
0.5512

180.7068,

 0.0000, 0.0000,

239.2943, 238.1363

0.0000

221.1175,
288.6088, 288.8032

■ 24.3806, 39.5615,
36.4881

■ 24.3806, 39.5615,
36.4881

■ 24.3809, 39.5627,
36.4865

■ 24.9715, 39.8302,
38.1817

■ 25.8373, 40.2385,
39.9400

■ 27.0750, 40.8374,
41.7688

■ 28.7331, 41.6518,
43.6709

■ 30.8529, 42.7030,
45.6487

■ 33.4704, 44.0096,
47.7042

■ 36.6183, 45.5884,
49.8396

■ 40.3261, 47.4546,
52.0565

■ 44.6215, 49.6225,
54.3568

Harmonies

Analogous

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



26.8946, 39.5615, 20.8604



24.3806, 39.5615, 36.4881



24.9986, 39.5615, 60.7597

Triad

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



24.3806, 39.5615, 36.4881



43.3545, 39.5615, 98.6380



48.1461, 39.5615, 17.1567

Complementary

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



24.3806, 39.5615, 36.4881



21.8372, 11.2175, 2.8505

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.



53.8573, 39.5615, 29.2063



24.3806, 39.5615, 36.4881



50.8300, 39.5615, 77.2059

Square

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



24.3806, 39.5615, 36.4881



35.2253, 39.5615, 102.7647



54.9035, 39.5615, 50.4121



40.0833, 39.5615, 12.5994

Rectangle

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



24.3806, 39.5615, 36.4881



27.1447, 39.5615, 78.7869



54.9035, 39.5615, 50.4121



50.4497, 39.5615, 20.2110

Sweetspot

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



24.3817, 39.5630, 36.4890



65.2822, 81.4960, 89.0693



19.4392, 37.6793, 6.2491



13.7852, 17.6196, 19.1971



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.



24.3817, 39.5630, 36.4890



43.5760, 70.8190, 64.8778



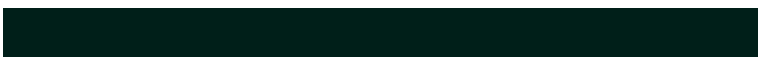
17.8898, 20.7322, 52.3507



9.7250, 10.7761, 11.8013



16.0513, 26.0108, 24.1305



0.6498, 1.0273, 1.0563

Inverse Universe

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



21.8372, 11.2175, 2.8505



39.0403, 20.0615, 4.7447



22.9658, 14.0349, 1.4994



9.6057, 9.5666, 10.3127



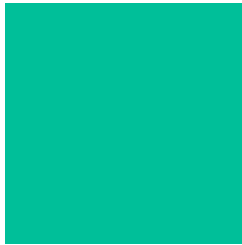
14.3737, 7.3806, 1.9954



0.5865, 0.2985, 0.2016

Previews

White Background



This preview shows how the XYZ color 24.3806, 39.5615, 36.4881 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 24.3806, 39.5615, 36.4881 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

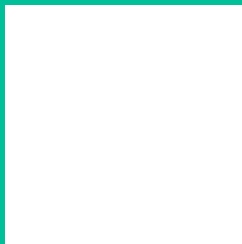
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3806, 39.5615, 36.4881

Background



This preview shows how black text looks on a background with the XYZ color 24.3806, 39.5615, 36.4881.



This preview shows how white text looks on a background with the XYZ color 24.3806, 39.5615,

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

24.3806, 39.5615, 36.4881

Protanopia

36.7579, 38.9076, 30.7719

Deuteranopia

39.6719, 38.9087, 38.2201



Tritanopia

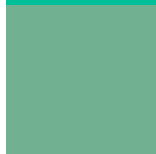
29.5192, 39.7676, 60.7637

Trichromacy



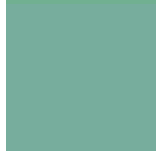
Original Color

24.3806, 39.5615, 36.4881



Protanomaly

27.4462, 36.6057, 32.4071



Deuteranomaly

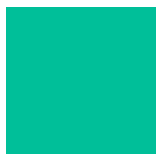
28.6371, 36.2434, 37.3846



Tritanomaly

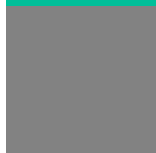
27.0805, 39.3529, 50.9683

Monochromacy



Original Color

24.3806, 39.5615, 36.4881



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.3830, 26.1305, 28.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3806, 39.5615, 36.4881 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, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 153) }
```

Border

The CSS property to change the border of an element to XYZ 24.3806, 39.5615, 36.4881 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, 191, 153) }
```


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

```
.border{ border-color:rgb(0, 191, 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, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3806, 39.5615, 36.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 153) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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