

Converting Colors

XYZ(23.9061, 34.4593, 49.1343)

Have a look what the booklet for
XYZ(23.9061, 34.4593, 49.1343)
contains.

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Color

**XYZ(23.8658, 34.3869,
49.0955)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0B5
RGB	0, 176, 181
RGB Percent	0%, 69%, 71%
CMY	0.9999, 0.3098, 0.2902
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 100%, 35%
HSV	182°, 100%, 71%
XYZ	23.8658, 34.3869, 49.0955
YIQ	123.9460, -106.5010, -35.7570

Conversions

Conversions Part 2

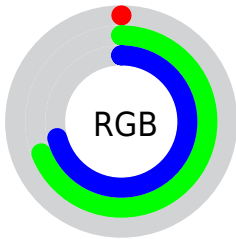
Format	Color
RYB	0, 89, 181
Decimal	45237
CIELab	65.27, -34.86, -13.25
CIELCh	65, 37.288, 200.808
Yxy	34.3869, 0.2223, 0.3203
Android (android.graphics.Color)	4278235317 (0xFF00B0B5)
YUV	123.9460, 28.1276, -108.7006
Hunter-Lab	58.6403, -29.9736, -8.5912

Details

The XYZ color **23.8658, 34.3869, 49.0955** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.1111, 9.9332, 0.9109**, and the grayscale version is **19.0784, 20.0720, 21.8584**.

A 20% lighter version of the original color is **49.2883, 66.4803, 90.3550**, and **10.9792, 15.7244, 22.8785** is the 20% darker color. If you saturate the color by 10%, you get **23.8663, 34.3876, 49.0963**, and if you desaturate by 10%, it is **24.2166, 34.7143, 49.1408**.

Distribution



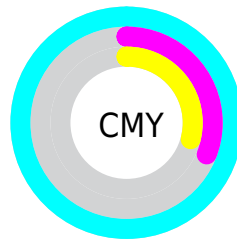
- Red (0%)
- Green (69%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8658, 34.3869, 49.0955 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 23.8658, 34.3869, 49.0955 by changing the saturation by 10% instead.

■ 23.8658, 34.3869,
49.0955

■ 23.8658, 34.3869,
49.0955

264.5944,
321.8538, 399.7514

■ 15.3583, 23.1910,
34.3291

■ 49.2674, 66.5349,
90.2157

■ 9.1592, 14.7346,
22.8671

■ 66.8922, 88.2557,
117.4067

■ 4.9031, 8.6333,
14.2911

■ 88.2868, 114.2537,
149.5762

■ 2.2247, 4.5028,
8.1823

■ 113.8166,
144.9131, 187.1428

■ 0.7557, 1.9586,
4.1224

■ 143.8468,
180.6185, 230.5251

■ 0.0000, 0.5833,
1.6927

178.7430,

■ 0.0000, 0.0000,

221.7541, 280.1416

0.3557

218.8704,
268.7044, 336.4109

■ 0.0000, 0.0000,
0.0000

■ 23.8658, 34.3869,
49.0955

■ 23.8658, 34.3869,
49.0955

■ 23.8663, 34.3876,
49.0963

■ 24.2166, 34.7143,
49.1408

■ 24.7989, 35.1608,
49.1963

■ 25.7014, 35.7729,
49.2669

■ 26.9663, 36.5724,
49.3546

■ 28.6295, 37.5777,
49.4610

■ 30.7227, 38.8053,
49.5876

■ 33.2741, 40.2696,
49.7357

■ 36.3098, 41.9841,
49.9067

■ 39.8538, 43.9612,
50.1015

Harmonies

Analogous

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



23.4252, 34.3869, 32.8666



23.8658, 34.3869, 49.0955



26.5219, 34.3869, 65.7151

Triad

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



23.8658, 34.3869, 49.0955



41.4587, 34.3869, 59.6853



34.3795, 34.3869, 15.0067

Complementary

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



23.8658, 34.3869, 49.0955



19.1111, 9.9332, 0.9109

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.



39.7329, 34.3869, 18.7242



23.8658, 34.3869, 49.0955



44.1076, 34.3869, 42.4224

Square

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



23.8658, 34.3869, 49.0955



36.5334, 34.3869, 72.9107



43.4433, 34.3869, 27.7951



29.1145, 34.3869, 15.8740

Rectangle

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



23.8658, 34.3869, 49.0955



29.3713, 34.3869, 73.3612



43.4433, 34.3869, 27.7951



36.2363, 34.3869, 15.7119

Sweetspot

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



23.8669, 34.3882, 49.0963



59.3346, 71.9743, 89.0598



16.5412, 33.0551, 5.5960



12.3967, 15.3118, 19.2244



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8669, 34.3882, 49.0963



42.7142, 61.5281, 87.9194



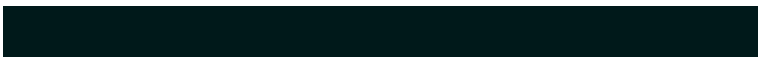
11.7898, 10.2341, 45.0707



8.7221, 9.5905, 10.8978



16.4615, 23.7234, 33.8485



0.5242, 0.7589, 1.0671

Inverse Universe

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



26.8934, 12.9593, 42.1596



48.1493, 23.2023, 75.4271



23.0177, 17.7465, 2.2131



8.8397, 8.6426, 10.6542



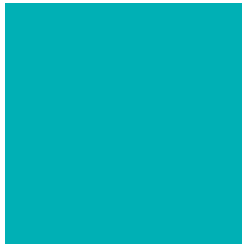
18.5437, 8.9350, 29.0866



0.5866, 0.2824, 0.9318

Previews

White Background



This preview shows how the XYZ color 23.8658, 34.3869, 49.0955 looks on a white background.

Color Contrast Check

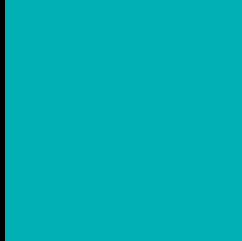
Large Text (above 18pt) WCAG AA × Fail

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 23.8658, 34.3869, 49.0955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

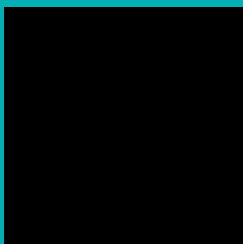
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

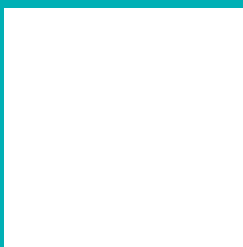
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8658, 34.3869, 49.0955

Background



This preview shows how black text looks on a background with the XYZ color 23.8658, 34.3869, 49.0955.

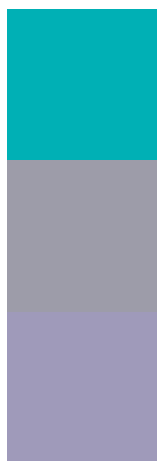


This preview shows how white text looks on a background with the XYZ color 23.8658, 34.3869,

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

23.8658, 34.3869, 49.0955

Protanopia

32.9545, 33.8096, 42.3251

Deuteranopia

34.7166, 34.0273, 51.1925



Tritanopia

24.9413, 34.5537, 53.4991

Trichromacy



Original Color

23.8658, 34.3869, 49.0955



Protanomaly

25.8955, 31.9208, 44.3317



Deuteranomaly

26.9389, 32.0681, 50.1173



Tritanomaly

24.4241, 34.3243, 51.7923

Monochromacy



Original Color

23.8658, 34.3869, 49.0955



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.1577, 23.3515, 30.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8658, 34.3869, 49.0955 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, 176, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 181)  
}
```

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, 176, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.8658, 34.3869, 49.0955 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, 176, 181) }
```


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

```
.border{ border-color:rgb(0, 176, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8658, 34.3869, 49.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 181) }
```

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

```
.background{ background-color: rgb(0, 176,  
181) }
```

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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