

Converting Colors

XYZ(23.9308, 34.3661, 49.5818)

Have a look what the booklet for
XYZ(23.9308, 34.3661, 49.5818)
contains.

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Color

**XYZ(23.9688, 34.4281,
49.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0B6
RGB	0, 176, 182
RGB Percent	0%, 69%, 71%
CMY	0.9999, 0.3098, 0.2863
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 100%, 36%
HSV	182°, 100%, 71%
XYZ	23.9688, 34.4281, 49.6380
YIQ	124.0600, -106.8220, -35.4460

Conversions

Conversions Part 2

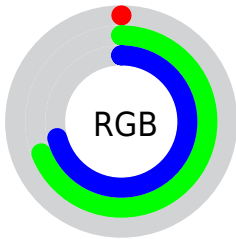
Format	Color
RYB	0, 89, 182
Decimal	45238
CIELab	65.30, -34.54, -13.75
CIELCh	65, 37.180, 201.710
Yxy	34.4281, 0.2219, 0.3187
Android (android.graphics.Color)	4278235318 (0xFF00B0B6)
YUV	124.0600, 28.5644, -108.8006
Hunter-Lab	58.6755, -29.7652, -9.0851

Details

The XYZ color **23.9688, 34.4281, 49.6380** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.3573, 10.0762, 0.9255**, and the grayscale version is **19.1149, 20.1103, 21.9002**.

A 20% lighter version of the original color is **49.4348, 66.5389, 91.1267**, and **11.0454, 15.7509, 23.2270** is the 20% darker color. If you saturate the color by 10%, you get **23.9693, 34.4288, 49.6388**, and if you desaturate by 10%, it is **24.3412, 34.7958, 49.6900**.

Distribution



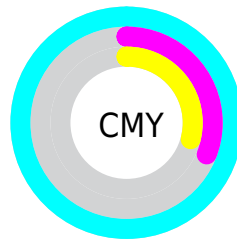
- Red (0%)
- Green (69%)
- Blue (71%)



- 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 23.9688, 34.4281, 49.6380 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 23.9688, 34.4281, 49.6380 by changing the saturation by 10% instead.

■ 23.9688, 34.4281,
49.6380

■ 23.9688, 34.4281,
49.6380

265.1061,
322.0367, 401.9430

■ 15.4351, 23.2227,
34.7567

■ 49.4343, 66.5988,
91.0291

■ 9.2136, 14.7580,
23.1935

■ 67.0969, 88.3330,
118.3759

■ 4.9390, 8.6497,
14.5298

■ 88.5330, 114.3454,
150.7150

■ 2.2459, 4.5134,
8.3471

■ 114.1082,
145.0206, 188.4648

■ 0.7668, 1.9647,
4.2269

■ 144.1878,
180.7430, 232.0440

■ 0.0000, 0.5868,
1.7506

179.1370,

■ 0.0000, 0.0000,

221.8968, 281.8711

0.3951

219.3213,
268.8666, 338.3646

■ 0.0000, 0.0000,
0.0000

■ 23.9688, 34.4281,
49.6380

■ 23.9688, 34.4281,
49.6380

■ 23.9693, 34.4288,
49.6388

■ 24.3412, 34.7958,
49.6900

■ 24.9485, 35.2847,
49.7523

■ 25.8801, 35.9415,
49.8300

■ 27.1791, 36.7885,
49.9251

■ 28.8816, 37.8443,
50.0391

■ 31.0198, 39.1255,
50.1737

■ 33.6225, 40.6469,
50.3302

■ 36.7159, 42.4221,
50.5098

■ 40.3244, 44.4636,
50.7137

Harmonies

Analogous

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



23.4606, 34.4281, 33.3477



23.9688, 34.4281, 49.6380



26.6840, 34.4281, 66.1105

Triad

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



23.9688, 34.4281, 49.6380



41.5973, 34.4281, 59.1739



34.2478, 34.4281, 15.0389

Complementary

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



23.9688, 34.4281, 49.6380



19.3573, 10.0762, 0.9255

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.



39.6103, 34.4281, 18.6101



23.9688, 34.4281, 49.6380



44.1493, 34.4281, 41.9540

Square

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



23.9688, 34.4281, 49.6380



36.7287, 34.4281, 72.5895



43.3846, 34.4281, 27.4998



29.0194, 34.4281, 16.0416

Rectangle

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



23.9688, 34.4281, 49.6380



29.5618, 34.4281, 73.5393



43.3846, 34.4281, 27.4998



36.1016, 34.4281, 15.6984

Sweetspot

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



23.9699, 34.4294, 49.6388



60.6874, 73.5356, 91.2309



16.7454, 33.4633, 5.6645



12.9467, 15.9758, 20.1229



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.9699, 34.4294, 49.6388



43.4194, 62.3460, 89.9813



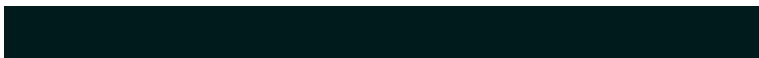
11.9323, 10.3543, 45.6263



9.2406, 10.1585, 11.5532



16.9366, 24.3328, 35.0571



0.6050, 0.8737, 1.2385

Inverse Universe

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



27.1288, 13.0806, 42.1706



49.1645, 23.7061, 76.3569



23.2989, 17.9593, 2.2394



9.3678, 9.1575, 11.2842



19.1625, 9.2387, 29.8061



0.6795, 0.3273, 1.0719

Previews

White Background



This preview shows how the XYZ color 23.9688, 34.4281, 49.6380 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 23.9688, 34.4281, 49.6380 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

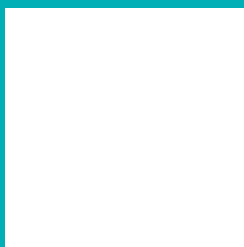
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9688, 34.4281, 49.6380

Background



This preview shows how black text looks on a background with the XYZ color 23.9688, 34.4281, 49.6380.

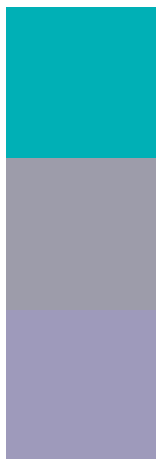


This preview shows how white text looks on a background with the XYZ color 23.9688, 34.4281,

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

23.9688, 34.4281, 49.6380

Protanopia

33.0488, 33.8473, 42.8215

Deuteranopia

34.6258, 33.9682, 51.7452



Tritanopia

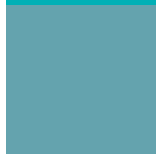
24.9162, 34.5407, 53.4979

Trichromacy



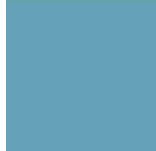
Original Color

23.9688, 34.4281, 49.6380



Protanomaly

25.9927, 31.9597, 44.8433



Deuteranomaly

27.0441, 32.1101, 50.6714



Tritanomaly

24.4066, 34.3153, 51.7915

Monochromacy



Original Color

23.9688, 34.4281, 49.6380



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 23.9688, 34.4281, 49.6380 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 182) }
```

Border

The CSS property to change the border of an element to XYZ 23.9688, 34.4281, 49.6380 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, 182) }
```


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

```
.border{ border-color:rgb(0, 176, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9688, 34.4281, 49.6380 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, 182) }
```

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

```
.background{ background-color: rgb(0, 176,  
182) }
```

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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