

Converting Colors

XYZ(17.7830, 36.2952, 33.8293)

Have a look what the booklet for
XYZ(17.7830, 36.2952, 33.8293)
contains.

XYZ(23.8973, 39.3682, 33.9431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8973, 39.3682,
33.9431)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF93
RGB	0, 191, 147
RGB Percent	0%, 75%, 58%
CMY	0.9999, 0.2510, 0.4235
CMYK	1.00, 0.00, 0.23, 0.25
HSL	166°, 100%, 37%
HSV	166°, 100%, 75%
XYZ	23.8973, 39.3682, 33.9431
YIQ	128.8750, -99.7120, -54.1760

Conversions

Conversions Part 2

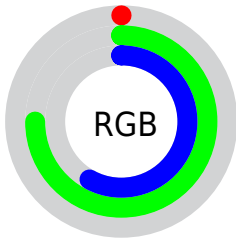
Format	Color
RYB	0, 108, 191
Decimal	49043
CIELab	69.02, -50.88, 10.97
CIELCh	69, 52.045, 167.831
Yxy	39.3682, 0.2458, 0.4050
Android (android.graphics.Color)	4278239123 (0xFF00BF93)
YUV	128.8750, 8.9356, -113.0234
Hunter-Lab	62.7441, -41.8170, 11.8463

Details

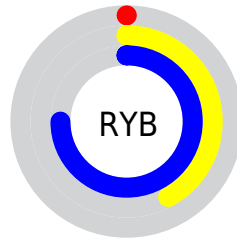
The XYZ color **23.8973, 39.3682, 33.9431** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.9420, 11.2594, 3.4023**, and the grayscale version is **20.8203, 21.9046, 23.8541**.

A 20% lighter version of the original color is **49.2556, 74.0045, 66.9466**, and **10.9155, 18.4528, 14.0528** is the 20% darker color. If you saturate the color by 10%, you get **23.8976, 39.3694, 33.9416**, and if you desaturate by 10%, it is **24.5211, 39.6501, 35.8107**.

Distribution



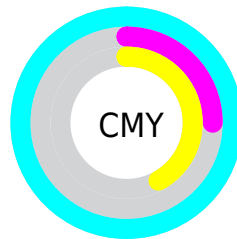
- Red (0%)
- Green (75%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8973, 39.3682, 33.9431 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 23.8973, 39.3682, 33.9431 by changing the saturation by 10% instead.


 23.8973, 39.3682,
33.9431


 23.8973, 39.3682,
33.9431


264.7510,
343.4534, 334.6397


 15.3818, 27.0463,
22.5729

 49.3185, 74.2005,
66.9781


 9.1758, 17.6080,
14.0761


 66.9548, 97.4796,
89.4799


 4.9141, 10.6689,
8.0343


 88.3621, 125.1799,
116.5293

 2.2312, 5.8447,
4.0288

 113.9058,
157.6859, 148.5449

 0.7591, 2.7509,
1.6412

 143.9512,
195.3818, 185.9452

 0.0000, 1.0031,
0.3199

178.8636,

 0.0000, 0.0000,

238.6521, 229.1487

0.0000

219.0084,
287.8811, 278.5740

■ 23.8973, 39.3682,
33.9431

■ 23.8973, 39.3682,
33.9431

■ 23.8976, 39.3694,
33.9416

■ 24.5211, 39.6501,
35.8107

■ 25.4232, 40.0729,
37.7601

■ 26.7005, 40.6876,
39.7975

■ 28.4015, 41.5192,
41.9260

■ 30.5676, 42.5889,
44.1481

■ 33.2349, 43.9154,
46.4663

■ 36.4360, 45.5155,
48.8828

■ 40.2008, 47.4045,
51.3996

■ 44.5566, 49.5965,
54.0188

Harmonies

Analogous

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



26.8022, 39.3682, 18.9393



23.8973, 39.3682, 33.9431



24.2009, 39.3682, 58.4217

Triad

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



23.8973, 39.3682, 33.9431



42.5155, 39.3682, 102.6772



49.1737, 39.3682, 17.1487

Complementary

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



23.8973, 39.3682, 33.9431



21.9420, 11.2594, 3.4023

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.



54.7395, 39.3682, 30.3490



23.8973, 39.3682, 33.9431



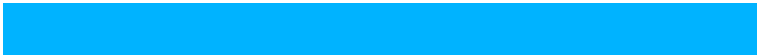
50.5220, 39.3682, 81.4032

Square

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



23.8973, 39.3682, 33.9431



34.1573, 39.3682, 104.7813



55.2665, 39.3682, 53.2281



40.8805, 39.3682, 11.9313

Rectangle

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



23.8973, 39.3682, 33.9431



26.1861, 39.3682, 77.4106



55.2665, 39.3682, 53.2281



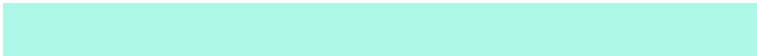
51.4755, 39.3682, 20.5169

Sweetspot

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



23.8984, 39.3697, 33.9440



64.9521, 81.3640, 87.3309



19.6957, 37.8115, 6.2610



13.7036, 17.5870, 18.7674



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.



23.8984, 39.3697, 33.9440



42.7016, 70.4693, 60.2734



18.7938, 22.5402, 52.6521



9.7120, 10.7709, 11.7328



15.7366, 25.8849, 22.4734



0.6398, 1.0233, 1.0036

Inverse Universe

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



21.9420, 11.2594, 3.4023



39.2196, 20.1332, 5.6885



22.6685, 13.4403, 1.4002



9.6178, 9.5714, 10.3764



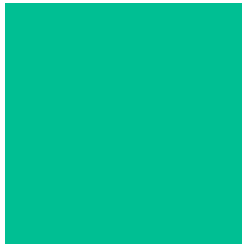
14.4452, 7.4092, 2.3722



0.5917, 0.3006, 0.2293

Previews

White Background



This preview shows how the XYZ color 23.8973, 39.3682, 33.9431 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 23.8973, 39.3682, 33.9431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

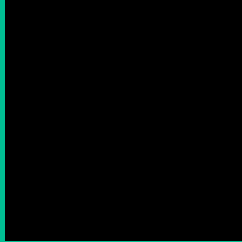
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8973, 39.3682, 33.9431

Background



This preview shows how black text looks on a background with the XYZ color 23.8973, 39.3682, 33.9431.



This preview shows how white text looks on a background with the XYZ color 23.8973, 39.3682,

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

23.8973, 39.3682, 33.9431

Protanopia

36.3234, 38.7338, 28.4836

Deuteranopia

39.3166, 38.5142, 35.9336



Tritanopia

29.3128, 39.3652, 60.0861

Trichromacy



Original Color

23.8973, 39.3682, 33.9431



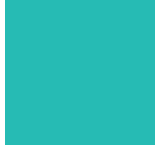
Protanomaly

26.9956, 36.4255, 30.0341



Deuteranomaly

28.0842, 35.7325, 34.6950



Tritanomaly

26.8079, 39.2480, 49.3427

Monochromacy



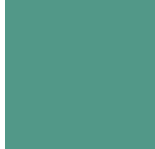
Original Color

23.8973, 39.3682, 33.9431



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.1518, 26.0279, 27.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8973, 39.3682, 33.9431 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.8973, 39.3682, 33.9431 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, 147) }
```


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

```
.border{ border-color:rgb(0, 191, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8973, 39.3682, 33.9431 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, 147) }
```

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

```
.background{ background-color: rgb(0, 191,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor