

Converting Colors

XYZ(22.0294, 37.7277, 33.2845)

Have a look what the booklet for
XYZ(22.0294, 37.7277, 33.2845)
contains.

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Color

**XYZ(23.3859, 38.4705,
33.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD92
RGB	0, 189, 146
RGB Percent	0%, 74%, 57%
CMY	0.9999, 0.2588, 0.4274
CMYK	1.00, 0.00, 0.23, 0.26
HSL	166°, 100%, 37%
HSV	166°, 100%, 74%
XYZ	23.3859, 38.4705, 33.3871
YIQ	127.5870, -98.8410, -53.4410

Conversions

Conversions Part 2

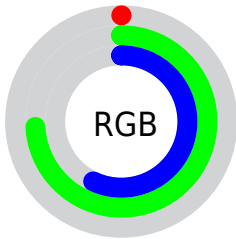
Format	Color
RYB	0, 107, 189
Decimal	48530
CIELab	68.37, -50.34, 10.59
CIELCh	68, 51.438, 168.116
Yxy	38.4705, 0.2455, 0.4039
Android (android.graphics.Color)	4278238610 (0xFF00BD92)
YUV	127.5870, 9.0776, -111.8938
Hunter-Lab	62.0246, -41.2410, 11.5021

Details

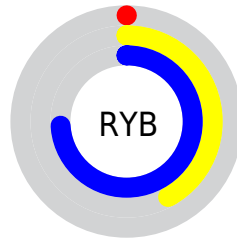
The XYZ color **23.3859, 38.4705, 33.3871** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.4237, 10.9943, 3.2808**, and the grayscale version is **20.3718, 21.4327, 23.3402**.

A 20% lighter version of the original color is **48.4181, 72.6783, 66.1200**, and **10.5907, 17.8764, 13.7188** is the 20% darker color. If you saturate the color by 10%, you get **23.3863, 38.4717, 33.3859**, and if you desaturate by 10%, it is **23.9947, 38.7459, 35.1960**.

Distribution



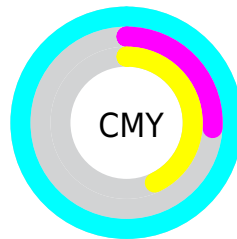
- Red (0%)
- Green (74%)
- Blue (57%)



- Red (0%)
- Yellow (42%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3859, 38.4705, 33.3871 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 23.3859, 38.4705, 33.3871 by changing the saturation by 10% instead.


 23.3859, 38.4705,
33.3871


 23.3859, 38.4705,
33.3871


262.1994,
339.6340, 332.0758


 15.0010, 26.3481,
22.1496


 48.4882, 72.8287,
66.1024


 8.9064, 17.0842,
13.7675


 65.9363, 95.8333,
88.4172


 4.7368, 10.2945,
7.8222


 87.1362, 123.2340,
115.2617

 2.1268, 5.5947,
3.8953

 112.4531,
155.4153, 147.0542

 0.7037, 2.6002,
1.5681

 142.2526,
192.7616, 184.2133

 0.0000, 0.9268,
0.2679

 176.8999,

 0.0000, 0.0000,

235.6572, 227.1576

0.0000

216.7604,
284.4865, 276.3055

■ 23.3859, 38.4705,
33.3871

■ 23.3859, 38.4705,
33.3871

■ 23.3863, 38.4717,
33.3859

■ 23.9947, 38.7459,
35.1960

■ 24.8742, 39.1584,
37.0831

■ 26.1195, 39.7581,
39.0545

■ 27.7781, 40.5693,
41.1129

■ 29.8901, 41.6127,
43.2611

■ 32.4908, 42.9065,
45.5012

■ 35.6118, 44.4670,
47.8355

■ 39.2823, 46.3092,
50.2658

■ 43.5290, 48.4469,
52.7942

Harmonies

Analogous

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



26.1869, 38.4705, 18.6731



23.3859, 38.4705, 33.3871



23.7115, 38.4705, 57.2808

Triad

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



23.3859, 38.4705, 33.3871



41.6052, 38.4705, 99.9084



47.9332, 38.4705, 16.7495

Complementary

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



23.3859, 38.4705, 33.3871



21.4237, 10.9943, 3.2808

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.



53.3838, 38.4705, 29.5337



23.3859, 38.4705, 33.3871



49.3764, 38.4705, 79.1110

Square

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



23.3859, 38.4705, 33.3871



33.4620, 38.4705, 102.1574



53.9477, 38.4705, 51.7213



39.8543, 38.4705, 11.7145

Rectangle

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



23.3859, 38.4705, 33.3871



25.6655, 38.4705, 75.7407



53.9477, 38.4705, 51.7213



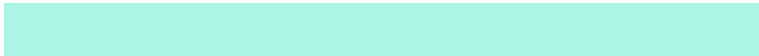
50.1818, 38.4705, 20.0097

Sweetspot

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



23.3870, 38.4720, 33.3880



63.4810, 79.4887, 85.4607



19.2421, 36.9346, 6.1156



13.1237, 16.8296, 17.9952



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.3870, 38.4720, 33.3880



41.7878, 68.8622, 59.2887



18.3619, 22.0264, 51.4296



9.7132, 10.7714, 11.7390



15.7645, 25.8961, 22.6206



0.6407, 1.0237, 1.0083

Inverse Universe

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



21.4237, 10.9943, 3.2808



38.2930, 19.6591, 5.4797



22.1457, 13.1363, 1.3690



9.6167, 9.5710, 10.3706



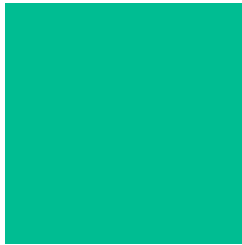
14.4383, 7.4065, 2.3357



0.5912, 0.3004, 0.2268

Previews

White Background



This preview shows how the XYZ color 23.3859, 38.4705, 33.3871 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 23.3859, 38.4705, 33.3871 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 23.3859, 38.4705, 33.3871

Background



This preview shows how black text looks on a background with the XYZ color 23.3859, 38.4705, 33.3871.



This preview shows how white text looks on a background with the XYZ color 23.3859, 38.4705,

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

23.3859, 38.4705, 33.3871

Protanopia

35.4374, 37.7455, 27.9721

Deuteranopia

38.4880, 37.8477, 34.9826



Tritanopia

28.6096, 38.4169, 58.7306

Trichromacy



Original Color

23.3859, 38.4705, 33.3871



Protanomaly

26.2790, 35.4866, 29.5093



Deuteranomaly

27.5391, 35.1794, 34.1930



Tritanomaly

26.1842, 38.3243, 48.1368

Monochromacy



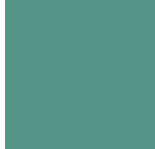
Original Color

23.3859, 38.4705, 33.3871



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.6729, 25.3113, 26.8231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3859, 38.4705, 33.3871 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, 189, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 146)  
}
```

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, 189, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.3859, 38.4705, 33.3871 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, 189, 146) }
```


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

```
.border{ border-color:rgb(0, 189, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3859, 38.4705, 33.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 146) }
```

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

```
.background{ background-color: rgb(0, 189,  
146) }
```

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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