

Converting Colors

XYZ(23.2055, 39.1788, 30.0313)

Have a look what the booklet for
XYZ(23.2055, 39.1788, 30.0313)
contains.

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Color

**XYZ(23.1462, 39.0677,
29.9878)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF89
RGB	0, 191, 137
RGB Percent	0%, 75%, 54%
CMY	0.9999, 0.2510, 0.4627
CMYK	1.00, 0.00, 0.28, 0.25
HSL	163°, 100%, 37%
HSV	163°, 100%, 75%
XYZ	23.1462, 39.0677, 29.9878
YIQ	127.7350, -96.5020, -57.2860

Conversions

Conversions Part 2

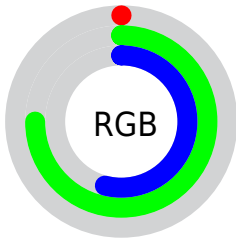
Format	Color
RYB	0, 111, 191
Decimal	49033
CIELab	68.80, -53.28, 16.08
CIELCh	69, 55.656, 163.204
Yxy	39.0677, 0.2510, 0.4237
Android (android.graphics.Color)	4278239113 (0xFF00BF89)
YUV	127.7350, 4.5676, -112.0236
Hunter-Lab	62.5042, -43.2811, 15.3072

Details

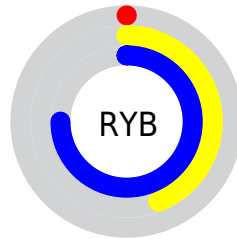
The XYZ color **23.1462, 39.0677, 29.9878** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **22.1534, 11.3439, 4.5154**, and the grayscale version is **20.4378, 21.5021, 23.4158**.

A 20% lighter version of the original color is **48.0084, 73.4931, 60.9455**, and **10.5245, 18.2964, 11.9937** is the 20% darker color. If you saturate the color by 10%, you get **23.1464, 39.0689, 29.9859**, and if you desaturate by 10%, it is **23.8152, 39.3677, 32.0935**.

Distribution



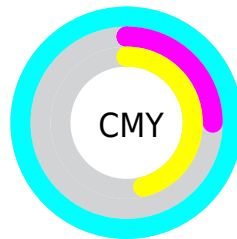
- Red (0%)
- Green (75%)
- Blue (54%)



- Red (0%)
- Yellow (44%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1462, 39.0677, 29.9878 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 23.1462, 39.0677, 29.9878 by changing the saturation by 10% instead.


 23.1462, 39.0677,
29.9878


 23.1462, 39.0677,
29.9878


260.9964,
342.1782, 316.0531


 14.8228, 26.8124,
19.5774


 48.0982, 73.7417,
60.7037


 8.7806, 17.4324,
11.9072


 65.4574, 96.9292,
81.8462


 4.6543, 10.5432,
6.5587


 86.5594, 124.5296,
107.4031

 2.0786, 5.7606,
3.1135

 111.7693,
156.9273, 137.7930

 0.6775, 2.7001,
1.1529

 141.4526,
194.5065, 173.4344

 0.0000, 0.9772,
0.0000

175.9747,

 0.0000, 0.0000,

237.6519, 214.7459

0.0000

215.7008,
286.7476, 262.1459

■ 23.1462, 39.0677,
29.9878

■ 23.1462, 39.0677,
29.9878

■ 23.1464, 39.0689,
29.9859

■ 23.8152, 39.3677,
32.0935

■ 24.7689, 39.8112,
34.3144

■ 26.1041, 40.4490,
36.6572

■ 27.8698, 41.3064,
39.1256

■ 30.1071, 42.4047,
41.7229

■ 32.8525, 43.7624,
44.4522

■ 36.1386, 45.3965,
47.3162

■ 39.9954, 47.3223,
50.3176

■ 44.4505, 49.5540,
53.4591

Harmonies

Analogous

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



26.6889, 39.0677, 16.0447



23.1462, 39.0677, 29.9878



22.9459, 39.0677, 54.6267

Triad

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



23.1462, 39.0677, 29.9878



41.1433, 39.0677, 109.5251



50.9200, 39.0677, 17.1954

Complementary

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



23.1462, 39.0677, 29.9878



22.1534, 11.3439, 4.5154

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.



56.2155, 39.0677, 32.3790



23.1462, 39.0677, 29.9878



49.9974, 39.0677, 88.6826

Square

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



23.1462, 39.0677, 29.9878



32.4436, 39.0677, 108.0509



55.8534, 39.0677, 58.1768



42.2531, 39.0677, 10.9213

Rectangle

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



23.1462, 39.0677, 29.9878



24.6713, 39.0677, 75.0712



55.8534, 39.0677, 58.1768



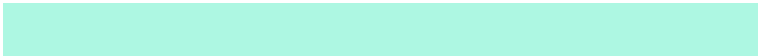
53.2105, 39.0677, 21.0959

Sweetspot

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



23.1472, 39.0692, 29.9887



64.4115, 81.1478, 84.4845



20.1602, 38.0510, 6.2828



13.5704, 17.5337, 18.0658



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.



23.1472, 39.0692, 29.9887



41.3445, 69.9264, 53.1269



20.2511, 25.4550, 53.1378



9.6904, 10.7623, 11.6191



15.2469, 25.6890, 19.8946



0.6239, 1.0169, 0.9198

Inverse Universe

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



22.1534, 11.3439, 4.5154



39.5850, 20.2793, 7.6126



22.2937, 12.6908, 1.2753



9.6381, 9.5795, 10.4832



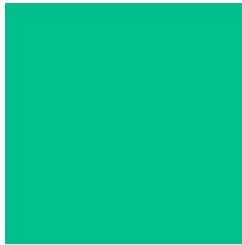
14.5882, 7.4664, 3.1252



0.6005, 0.3041, 0.2755

Previews

White Background



This preview shows how the XYZ color 23.1462, 39.0677, 29.9878 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 23.1462, 39.0677, 29.9878 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 23.1462, 39.0677, 29.9878

Background



This preview shows how black text looks on a background with the XYZ color 23.1462, 39.0677, 29.9878.



This preview shows how white text looks on a background with the XYZ color 23.1462, 39.0677,

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

23.1462, 39.0677, 29.9878

Protanopia

35.7622, 38.2438, 25.2356

Deuteranopia

39.0907, 38.2316, 31.7047



Tritanopia

29.1764, 39.0010, 59.4163

Trichromacy



Original Color

23.1462, 39.0677, 29.9878



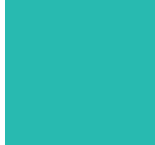
Protanomaly

26.1693, 35.7824, 26.6465



Deuteranomaly

27.3967, 35.1865, 30.5470



Tritanomaly

26.2705, 38.7035, 47.1602

Monochromacy



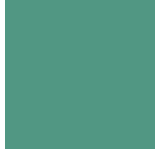
Original Color

23.1462, 39.0677, 29.9878



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.5567, 25.5212, 25.4208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1462, 39.0677, 29.9878 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 137) }
```

Border

The CSS property to change the border of an element to XYZ 23.1462, 39.0677, 29.9878 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, 137) }
```


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

```
.border{ border-color:rgb(0, 191, 137) }
```

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, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1462, 39.0677, 29.9878 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, 137) }
```

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

```
.background{ background-color: rgb(0, 191,  
137) }
```

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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