

Converting Colors

XYZ(22.9399, 38.1890, 31.3563)

Have a look what the booklet for
XYZ(22.9399, 38.1890, 31.3563)
contains.

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Color

**XYZ(23.0053, 38.3183,
31.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD8D
RGB	0, 189, 141
RGB Percent	0%, 74%, 55%
CMY	0.9999, 0.2588, 0.4471
CMYK	1.00, 0.00, 0.25, 0.26
HSL	165°, 100%, 37%
HSV	165°, 100%, 74%
XYZ	23.0053, 38.3183, 31.3830
YIQ	127.0170, -97.2360, -54.9960

Conversions

Conversions Part 2

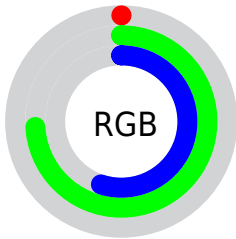
Format	Color
RYB	0, 108, 189
Decimal	48525
CIELab	68.25, -51.56, 13.15
CIELCh	68, 53.216, 165.688
Yxy	38.3183, 0.2482, 0.4133
Android (android.graphics.Color)	4278238605 (0xFF00BD8D)
YUV	127.0170, 6.8936, -111.3939
Hunter-Lab	61.9018, -41.9900, 13.2724

Details

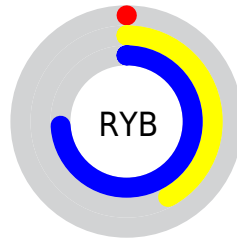
The XYZ color **23.0053, 38.3183, 31.3830** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.5211, 11.0331, 3.7936**, and the grayscale version is **20.1819, 21.2329, 23.1226**.

A 20% lighter version of the original color is **47.8431, 72.4483, 63.0921**, and **10.4134, 17.8055, 12.7855** is the 20% darker color. If you saturate the color by 10%, you get **23.0058, 38.3196, 31.3822**, and if you desaturate by 10%, it is **23.6382, 38.6033, 33.3189**.

Distribution



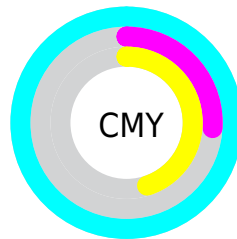
- Red (0%)
- Green (74%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0053, 38.3183, 31.3830 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 23.0053, 38.3183, 31.3830 by changing the saturation by 10% instead.


 23.0053, 38.3183,
31.3830


 23.0053, 38.3183,
31.3830


260.2870,
338.9834, 322.7046


 14.7181, 26.2298,
20.6298


 47.8686, 72.5957,
62.9292


 8.7068, 16.9957,
12.6650


 65.1755, 95.5535,
84.5592

 4.6060, 10.2314,
7.0703


 86.2196, 122.9031,
110.6519

 2.0504, 5.5526,
3.4270

 111.3664,
155.0291, 141.6259

 0.6620, 2.5750,
1.3166

 140.9812,
192.3157, 177.8996

 0.0000, 0.9141,
0.0753

 175.4293,

 0.0000, 0.0000,

235.1473, 219.8916

0.0000

215.0762,
283.9084, 268.0204

■ 23.0053, 38.3183,
31.3830

■ 23.0053, 38.3183,
31.3830

■ 23.0058, 38.3196,
31.3822

■ 23.6382, 38.6033,
33.3189

■ 24.5446, 39.0266,
35.3486

■ 25.8199, 39.6383,
37.4784

■ 27.5116, 40.4627,
39.7114

■ 29.6597, 41.5205,
42.0506

■ 32.2996, 42.8300,
44.4983

■ 35.4632, 44.4075,
47.0571

■ 39.1794, 46.2680,
49.7293

■ 43.4752, 48.4254,
52.5169

Harmonies

Analogous

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



26.1233, 38.3183, 17.1890



23.0053, 38.3183, 31.3830



23.0787, 38.3183, 55.3897

Triad

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



23.0053, 38.3183, 31.3830



40.9235, 38.3183, 103.2661



48.7885, 38.3183, 16.7612

Complementary

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



23.0053, 38.3183, 31.3830



21.5211, 11.0331, 3.7936

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.



54.1111, 38.3183, 30.5109



23.0053, 38.3183, 31.3830



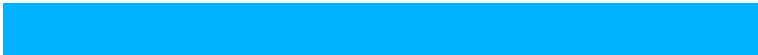
49.1199, 38.3183, 82.6490

Square

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



23.0053, 38.3183, 31.3830



32.6043, 38.3183, 103.7888



54.2409, 38.3183, 54.1140



40.5232, 38.3183, 11.1974

Rectangle

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



23.0053, 38.3183, 31.3830



24.9029, 38.3183, 74.5954



54.2409, 38.3183, 54.1140



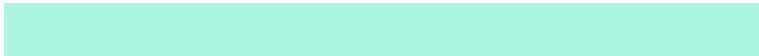
51.0331, 38.3183, 20.2821

Sweetspot

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



23.0063, 38.3198, 31.3839



63.2127, 79.3813, 84.0475



19.5342, 37.0853, 6.1291



13.0590, 16.8037, 17.6542



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.



23.0063, 38.3198, 31.3839



41.0999, 68.5870, 55.6663



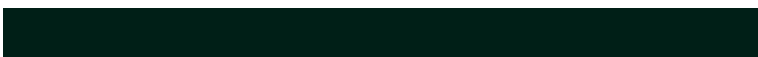
19.2970, 23.8966, 51.7413



9.7022, 10.7670, 11.6815



15.5106, 25.7945, 21.2833



0.6325, 1.0204, 0.9652

Inverse Universe

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



21.5211, 11.0331, 3.7936



38.4608, 19.7263, 6.3635



21.8921, 12.6291, 1.2843



9.6269, 9.5751, 10.4245



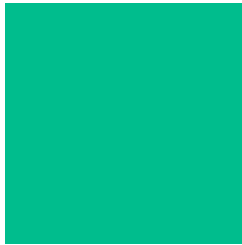
14.5059, 7.4335, 2.6917



0.5957, 0.3022, 0.2501

Previews

White Background



This preview shows how the XYZ color 23.0053, 38.3183, 31.3830 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 23.0053, 38.3183, 31.3830 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 23.0053, 38.3183, 31.3830

Background



This preview shows how black text looks on a background with the XYZ color 23.0053, 38.3183, 31.3830.



This preview shows how white text looks on a background with the XYZ color 23.0053, 38.3183, 31.3830.

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

23.0053, 38.3183, 31.3830

Protanopia

35.3221, 37.7254, 26.1889

Deuteranopia

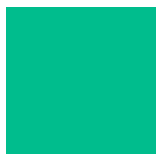
38.4825, 37.6258, 33.2512



Tritanopia

28.6162, 38.4335, 58.1347

Trichromacy



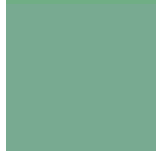
Original Color

23.0053, 38.3183, 31.3830



Protanomaly

26.0518, 35.4103, 27.6521



Deuteranomaly

27.2313, 34.7869, 32.0674



Tritanomaly

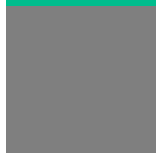
26.0221, 38.2638, 47.0884

Monochromacy



Original Color

23.0053, 38.3183, 31.3830



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.4645, 25.2280, 25.7261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0053, 38.3183, 31.3830 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 141) }
```

Border

The CSS property to change the border of an element to XYZ 23.0053, 38.3183, 31.3830 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, 141) }
```


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

```
.border{ border-color:rgb(0, 189, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0053, 38.3183, 31.3830 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, 141) }
```

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

```
.background{ background-color: rgb(0, 189,  
141) }
```

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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