

Converting Colors

XYZ(20.0388, 31.2709, 33.8298)

Have a look what the booklet for
XYZ(20.0388, 31.2709, 33.8298)
contains.

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Color

**XYZ(20.0679, 31.3278,
33.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB96
RGB	0, 171, 150
RGB Percent	0%, 67%, 59%
CMY	0.9999, 0.3294, 0.4118
CMYK	1.00, 0.00, 0.12, 0.33
HSL	173°, 100%, 34%
HSV	173°, 100%, 67%
XYZ	20.0679, 31.3278, 33.8433
YIQ	117.4770, -95.1750, -42.7830

Conversions

Conversions Part 2

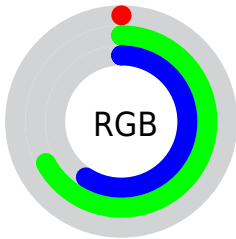
Format	Color
RYB	0, 91, 171
Decimal	43926
CIELab	62.78, -41.85, 0.36
CIELCh	63, 41.854, 179.513
Yxy	31.3278, 0.2354, 0.3675
Android (android.graphics.Color)	4278234006 (0xFF00AB96)
YUV	117.4770, 16.0338, -103.0273
Hunter-Lab	55.9712, -33.9504, 3.3299

Details

The XYZ color **20.0679, 31.3278, 33.8433** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.9310, 8.7129, 1.5000**, and the grayscale version is **17.0319, 17.9189, 19.5137**.

A 20% lighter version of the original color is **42.9843, 61.6775, 66.7662**, and **8.7306, 13.8577, 14.0190** is the 20% darker color. If you saturate the color by 10%, you get **20.0683, 31.3288, 33.8429**, and if you desaturate by 10%, it is **20.4726, 31.5174, 34.7539**.

Distribution



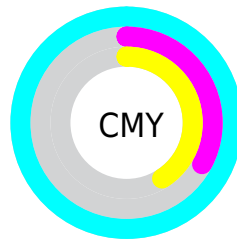
- Red (0%)
- Green (67%)
- Blue (59%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0679, 31.3278, 33.8433 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 20.0679, 31.3278, 33.8433 by changing the saturation by 10% instead.

■ 20.0679, 31.3278,
33.8433

■ 20.0679, 31.3278,
33.8433

■ 245.1090,
308.0457, 334.1806

■ 12.5530, 20.8486,
22.4969

■ 43.0341, 61.7558,
66.8210

■ 7.1963, 13.0134,
14.0206

■ 59.2160, 82.4734,
89.2894

■ 3.6326, 7.4378,
7.9961

■ 79.0177, 107.3725,
116.3021

■ 1.4965, 3.7373,
4.0047

■ 102.8044,
136.8376, 148.2778

■ 0.3234, 1.5277,
1.6279

■ 130.9415,
171.2531, 185.6349

■ 0.0000, 0.3081,
0.3106

■ 163.7944,

■ 0.0000, 0.0000,

211.0033, 228.7921

0.0000

201.7285,
256.4727, 278.1678

■ 20.0679, 31.3278,
33.8433

■ 20.0679, 31.3278,
33.8433

■ 20.0683, 31.3288,
33.8429

■ 20.4726, 31.5174,
34.7539

■ 21.0800, 31.8105,
35.6892

■ 21.9714, 32.2496,
36.6537

■ 23.1832, 32.8535,
37.6493

■ 24.7467, 33.6384,
38.6776

■ 26.6892, 34.6183,
39.7398

■ 29.0355, 35.8060,
40.8372

■ 31.8081, 37.2131,
41.9709

■ 35.0280, 38.8504,
43.1420

Harmonies

Analogous

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



21.2606, 31.3278, 20.4840



20.0679, 31.3278, 33.8433



21.1859, 31.3278, 52.1205

Triad

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



20.0679, 31.3278, 33.8433



35.5357, 31.3278, 69.5659



35.7184, 31.3278, 13.5151

Complementary

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



20.0679, 31.3278, 33.8433



16.9310, 8.7129, 1.5000

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.



40.4217, 31.3278, 20.8162



20.0679, 31.3278, 33.8433



40.3071, 31.3278, 52.7388

Square

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



20.0679, 31.3278, 33.8433



29.6826, 31.3278, 76.3532



42.1981, 31.3278, 34.3794



29.8698, 31.3278, 11.2978

Rectangle

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



20.0679, 31.3278, 33.8433



23.1845, 31.3278, 64.1505



42.1981, 31.3278, 34.3794



37.5118, 31.3278, 15.3105

Sweetspot

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



20.0688, 31.3290, 33.8440



51.7518, 63.9991, 73.0265



14.9128, 29.3069, 4.8715



11.1409, 14.0694, 16.1043



82.5889, 86.8899, 94.6231



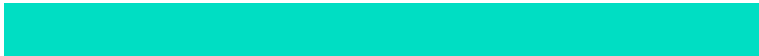
15.4596, 16.2647, 17.7123

Same Dimension

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



20.0688, 31.3290, 33.8440



35.8866, 56.0850, 60.3272



12.7465, 13.7311, 40.5079



8.1933, 9.0549, 10.0431



15.1411, 23.6217, 25.5806



0.4328, 0.6618, 0.7729

Inverse Universe

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



16.9310, 8.7129, 1.5000



30.2790, 15.5862, 2.4647



18.5570, 12.1818, 1.3739



8.0438, 8.0308, 8.5414



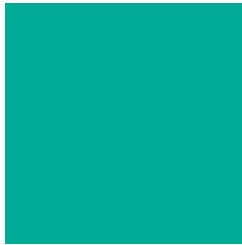
12.7738, 6.5721, 1.1883



0.3676, 0.1877, 0.0978

Previews

White Background



This preview shows how the XYZ color 20.0679, 31.3278, 33.8433 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 20.0679, 31.3278, 33.8433 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

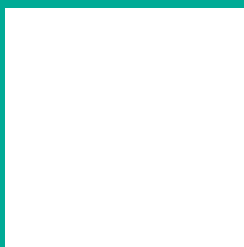
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0679, 31.3278, 33.8433

Background



This preview shows how black text looks on a background with the XYZ color 20.0679, 31.3278, 33.8433.

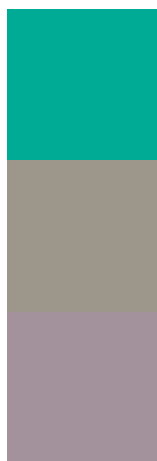


This preview shows how white text looks on a background with the XYZ color 20.0679, 31.3278,

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

20.0679, 31.3278, 33.8433

Protanopia

29.2768, 30.7447, 28.8174

Deuteranopia

31.2995, 30.7109, 35.2885



Tritanopia

23.1836, 31.5136, 48.0408

Trichromacy



Original Color

20.0679, 31.3278, 33.8433

Protanomaly

22.3304, 29.0895, 30.4245

Deuteranomaly

23.1800, 28.6857, 34.4522

Tritanomaly

21.6708, 31.1310, 42.4028

Monochromacy



Original Color

20.0679, 31.3278, 33.8433

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.7321, 20.9321, 23.9800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0679, 31.3278, 33.8433 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, 171, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 150)  
}
```

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, 171, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.0679, 31.3278, 33.8433 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, 171, 150) }
```


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

```
.border{ border-color:rgb(0, 171, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0679, 31.3278, 33.8433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 150) }
```

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

```
.background{ background-color: rgb(0, 171,  
150) }
```

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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