

Converting Colors

XYZ(20.7976, 31.3273, 38.9438)

Have a look what the booklet for
XYZ(20.7976, 31.3273, 38.9438)
contains.

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Color

**XYZ(20.8963, 31.3581,
39.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAA2
RGB	0, 170, 162
RGB Percent	0%, 67%, 64%
CMY	0.9999, 0.3333, 0.3647
CMYK	1.00, 0.00, 0.05, 0.33
HSL	177°, 100%, 33%
HSV	177°, 100%, 67%
XYZ	20.8963, 31.3581, 39.1338
YIQ	118.2580, -98.7520, -38.5280

Conversions

Conversions Part 2

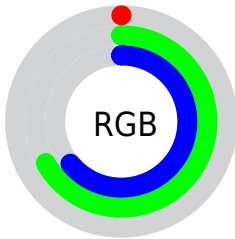
Format	Color
RYB	0, 87, 170
Decimal	43682
CIELab	62.81, -37.92, -6.32
CIElCh	63, 38.443, 189.464
Yxy	31.3581, 0.2287, 0.3431
Android (android.graphics.Color)	4278233762 (0xFF00AAA2)
YUV	118.2580, 21.5648, -103.7123
Hunter-Lab	55.9983, -31.3881, -2.2354

Details

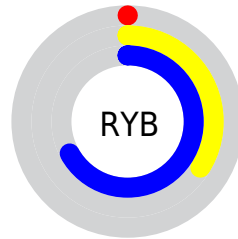
The XYZ color **20.8963, 31.3581, 39.1338** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6224, 8.5645, 1.0075**, and the grayscale version is **17.2601, 18.1590, 19.7752**.

A 20% lighter version of the original color is **44.4401, 61.8354, 75.2388**, and **9.2305, 13.8703, 17.2297** is the 20% darker color. If you saturate the color by 10%, you get **20.8968, 31.3591, 39.1340**, and if you desaturate by 10%, it is **21.1999, 31.5071, 39.5213**.

Distribution



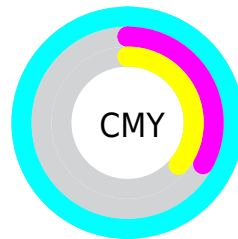
- Red (0%)
- Green (67%)
- Blue (64%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8963, 31.3581, 39.1338 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 20.8963, 31.3581, 39.1338 by changing the saturation by 10% instead.

■ 20.8963, 31.3581,
39.1338

■ 20.8963, 31.3581,
39.1338

■ 249.4690,
308.1847, 357.9019

■ 13.1603, 20.8717,
26.5552

■ 44.4075, 61.8034,
75.0653

■ 7.6167, 13.0302,
17.0100

■ 60.9133, 82.5311,
99.2552

■ 3.9004, 7.4494,
10.0796

■ 81.0731, 107.4414,
128.1527

■ 1.6460, 3.7447,
5.3454

■ 105.2522,
136.9186, 162.1762

■ 0.4221, 1.5318,
2.3891

■ 133.8160,
171.3471, 201.7444

■ 0.0000, 0.3109,
0.7805

■ 167.1298,

■ 0.0000, 0.0000,

211.1114, 247.2757

0.0000

205.5591,
256.5958, 299.1887

■ 20.8963, 31.3581,
39.1338

■ 20.8963, 31.3581,
39.1338

■ 20.8968, 31.3591,
39.1340

■ 21.1999, 31.5071,
39.5213

■ 21.7007, 31.7569,
39.9197

■ 22.4790, 32.1498,
40.3334

■ 23.5709, 32.7043,
40.7642

■ 25.0071, 33.4362,
41.2134

■ 26.8146, 34.3595,
41.6825

■ 29.0176, 35.4867,
42.1724

■ 31.6385, 36.8292,
42.6843

■ 34.6979, 38.3976,
43.2191

Harmonies

Analogous

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



21.2977, 31.3581, 24.9529



20.8963, 31.3581, 39.1338



22.6554, 31.3581, 56.0741

Triad

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



20.8963, 31.3581, 39.1338



36.7103, 31.3581, 61.7601



33.4975, 31.3581, 13.5602

Complementary

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



20.8963, 31.3581, 39.1338



16.6224, 8.5645, 1.0075

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.



38.3196, 31.3581, 18.8378



20.8963, 31.3581, 39.1338



40.3207, 31.3581, 45.3524

Square

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



20.8963, 31.3581, 39.1338



31.4999, 31.3581, 71.4494



40.9420, 31.3581, 29.5968



28.1719, 31.3581, 12.7932

Rectangle

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



20.8963, 31.3581, 39.1338



24.9535, 31.3581, 65.6815



40.9420, 31.3581, 29.5968



35.2476, 31.3581, 14.7712

Sweetspot

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



20.8972, 31.3593, 39.1346



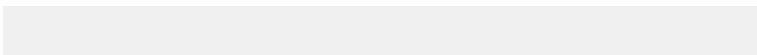
52.4047, 64.2603, 76.4642



14.4821, 28.8055, 4.7975



11.3052, 14.1352, 16.9698



82.5889, 86.8899, 94.6231



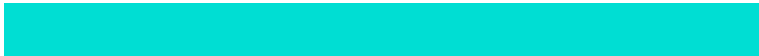
15.4596, 16.2647, 17.7123

Same Dimension

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



20.8972, 31.3593, 39.1346



37.8904, 56.8865, 70.8789



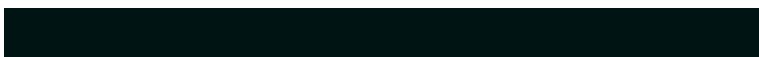
11.2158, 10.8216, 39.5291



7.7321, 8.5259, 9.5752



15.3773, 23.0697, 28.8175



0.3786, 0.5631, 0.7247

Inverse Universe

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



16.6224, 8.5645, 1.0075



30.1355, 15.5288, 1.7090



19.1983, 13.7865, 1.6499



7.5449, 7.5478, 7.9206



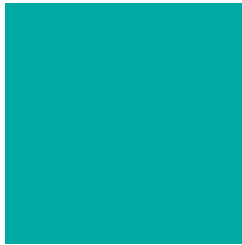
12.2328, 6.3018, 0.7716



0.3020, 0.1551, 0.0416

Previews

White Background



This preview shows how the XYZ color 20.8963, 31.3581, 39.1338 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 20.8963, 31.3581, 39.1338 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

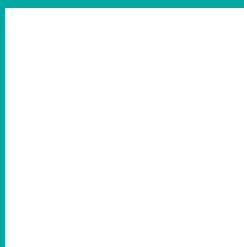
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8963, 31.3581, 39.1338

Background



This preview shows how black text looks on a background with the XYZ color 20.8963, 31.3581, 39.1338.

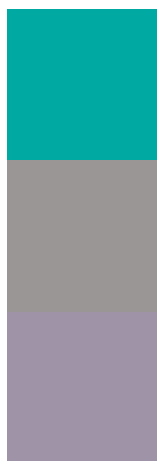


This preview shows how white text looks on a background with the XYZ color 20.8963, 31.3581,

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

20.8963, 31.3581, 39.1338

Protanopia

29.7378, 30.8847, 33.2482

Deuteranopia

31.5093, 30.9266, 40.8679



Tritanopia

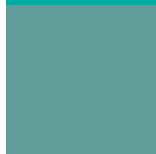
22.9222, 31.3669, 48.5624

Trichromacy



Original Color

20.8963, 31.3581, 39.1338



Protanomaly

22.9267, 29.0437, 34.9695



Deuteranomaly

23.8797, 28.9260, 39.9220



Tritanomaly

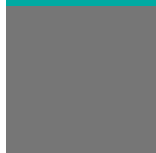
22.0193, 31.2554, 44.9168

Monochromacy



Original Color

20.8963, 31.3581, 39.1338



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.1504, 21.1084, 25.7774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8963, 31.3581, 39.1338 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, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 162)  
}
```

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, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.8963, 31.3581, 39.1338 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, 170, 162) }
```


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

```
.border{ border-color:rgb(0, 170, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8963, 31.3581, 39.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 162) }
```

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

```
.background{ background-color: rgb(0, 170,  
162) }
```

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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