

Converting Colors

XYZ(18.3138, 30.5860, 31.8301)

Have a look what the booklet for
XYZ(18.3138, 30.5860, 31.8301)
contains.

XYZ(19.6737, 31.1702, 31.7676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6737, 31.1702,
31.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB91
RGB	0, 171, 145
RGB Percent	0%, 67%, 57%
CMY	0.9999, 0.3294, 0.4314
CMYK	1.00, 0.00, 0.15, 0.33
HSL	171°, 100%, 34%
HSV	171°, 100%, 67%
XYZ	19.6737, 31.1702, 31.7676
YIQ	116.9070, -93.5700, -44.3380

Conversions

Conversions Part 2

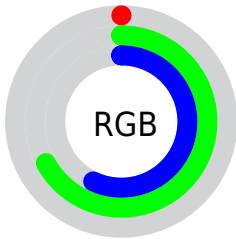
Format	Color
RYB	0, 93, 171
Decimal	43921
CIELab	62.65, -43.24, 2.96
CIELCh	63, 43.345, 176.090
Yxy	31.1702, 0.2381, 0.3773
Android (android.graphics.Color)	4278234001 (0xFF00AB91)
YUV	116.9070, 13.8498, -102.5274
Hunter-Lab	55.8303, -34.8024, 5.3450

Details

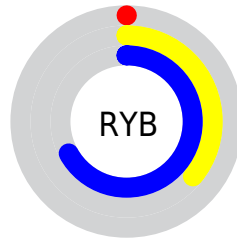
The XYZ color **19.6737, 31.1702, 31.7676** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.9820, 8.7332, 1.7688**, and the grayscale version is **16.8607, 17.7388, 19.3175**.

A 20% lighter version of the original color is **42.3940, 61.4414, 63.6578**, and **8.5440, 13.7831, 13.0366** is the 20% darker color. If you saturate the color by 10%, you get **19.6742, 31.1712, 31.7674**, and if you desaturate by 10%, it is **20.1105, 31.3727, 32.8476**.

Distribution



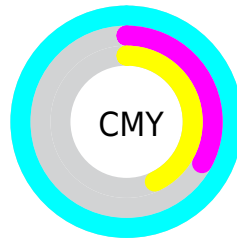
- Red (0%)
- Green (67%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6737, 31.1702, 31.7676 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 19.6737, 31.1702, 31.7676 by changing the saturation by 10% instead.


 19.6737, 31.1702,
31.7676


 19.6737, 31.1702,
31.7676


243.0105,
307.3217, 324.5193


 12.2650, 20.7285,
20.9207

 42.3776, 61.5079,
63.5403


 6.9979, 12.9257,
12.8754


 58.4034, 82.1727,
85.3031

 3.5071, 7.3774,
7.2131


 78.0323, 107.0140,
111.5416

 1.4273, 3.6992,
3.5152

 101.6297,
136.4162, 142.6745

 0.2755, 1.5068,
1.3634

 129.5608,
170.7637, 179.1201

 0.0000, 0.2935,
0.1129

 162.1911,

 0.0000, 0.0000,

210.4408, 221.2971

0.0000

199.8859,
255.8320, 269.6240

■ 19.6737, 31.1702,
31.7676

■ 19.6737, 31.1702,
31.7676

■ 19.6742, 31.1712,
31.7674

■ 20.1105, 31.3727,
32.8476

■ 20.7516, 31.6792,
33.9605

■ 21.6781, 32.1323,
35.1111

■ 22.9267, 32.7510,
36.3012

■ 24.5286, 33.5512,
37.5324

■ 26.5112, 34.5471,
38.8062

■ 28.8991, 35.7514,
40.1238

■ 31.7150, 37.1758,
41.4865

■ 34.9798, 38.8311,
42.8953

Harmonies

Analogous

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



21.1607, 31.1702, 18.8277



19.6737, 31.1702, 31.7676



20.5475, 31.1702, 50.3577

Triad

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



19.6737, 31.1702, 31.7676



34.9101, 31.1702, 72.3618



36.4291, 31.1702, 13.4609

Complementary

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



19.6737, 31.1702, 31.7676



16.9820, 8.7332, 1.7688

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.



41.0490, 31.1702, 21.5442



19.6737, 31.1702, 31.7676



40.0934, 31.1702, 55.5261

Square

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



19.6737, 31.1702, 31.7676



28.8581, 31.1702, 77.8633



42.4713, 31.1702, 36.2073



30.4081, 31.1702, 10.7235

Rectangle

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



19.6737, 31.1702, 31.7676



22.4234, 31.1702, 63.1989



42.4713, 31.1702, 36.2073



38.2270, 31.1702, 15.4775

Sweetspot

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



19.6746, 31.1714, 31.7683



51.5052, 63.9005, 71.7278



15.0566, 29.3811, 4.8780



11.0790, 14.0447, 15.7784



82.5889, 86.8899, 94.6231



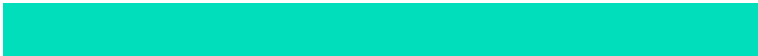
15.4596, 16.2647, 17.7123

Same Dimension

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



19.6746, 31.1714, 31.7683



35.1709, 55.7987, 56.5580



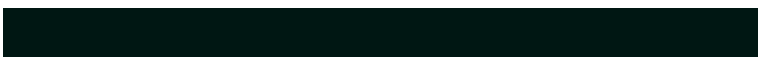
13.3692, 14.9766, 40.7157



8.1832, 9.0508, 9.9897



14.8464, 23.5038, 24.0288



0.4269, 0.6594, 0.7417

Inverse Universe

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



16.9820, 8.7332, 1.7688



30.3632, 15.6199, 2.9081



18.2590, 11.5856, 1.2743



8.0530, 8.0345, 8.5902



12.8141, 6.5882, 1.4005



0.3713, 0.1892, 0.1172

Previews

White Background



This preview shows how the XYZ color 19.6737, 31.1702, 31.7676 looks on a white background.

Color Contrast Check

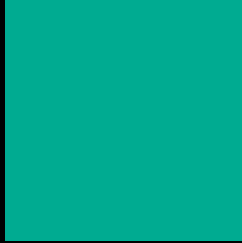
Large Text (above 18pt) WCAG AA × Fail

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 19.6737, 31.1702, 31.7676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

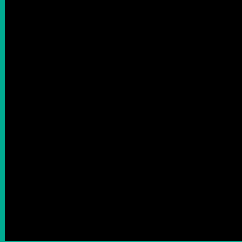
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.6737, 31.1702, 31.7676

Background



This preview shows how black text looks on a background with the XYZ color 19.6737, 31.1702, 31.7676.

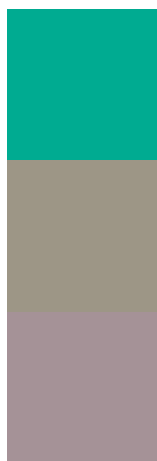


This preview shows how white text looks on a background with the XYZ color 19.6737, 31.1702,

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

19.6737, 31.1702, 31.7676

Protanopia

29.1141, 30.7020, 26.9459

Deuteranopia

31.3818, 30.7915, 33.5675



Tritanopia

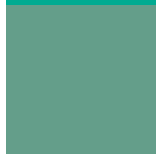
23.0934, 31.1961, 47.9843

Trichromacy



Original Color

19.6737, 31.1702, 31.7676



Protanomaly

22.0698, 28.9980, 28.4787



Deuteranomaly

22.9719, 28.6159, 32.7464



Tritanomaly

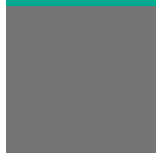
21.5428, 31.0866, 41.4241

Monochromacy



Original Color

19.6737, 31.1702, 31.7676



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.6005, 20.8795, 23.2866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6737, 31.1702, 31.7676 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.6737, 31.1702, 31.7676 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, 145) }
```


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

```
.border{ border-color:rgb(0, 171, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6737, 31.1702, 31.7676 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, 145) }
```

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

```
.background{ background-color: rgb(0, 171,  
145) }
```

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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