

Converting Colors

XYZ(18.9778, 29.8706, 31.6589)

Have a look what the booklet for
XYZ(18.9778, 29.8706, 31.6589)
contains.

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Color

**XYZ(19.1135, 30.0496,
31.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	00A891
RGB	0, 168, 145
RGB Percent	0%, 66%, 57%
CMY	0.9999, 0.3412, 0.4314
CMYK	1.00, 0.00, 0.14, 0.34
HSL	172°, 100%, 33%
HSV	172°, 100%, 66%
XYZ	19.1135, 30.0496, 31.5808
YIQ	115.1460, -92.7450, -42.7690

Conversions

Conversions Part 2

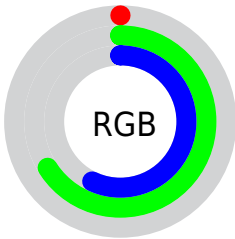
Format	Color
RYB	0, 90, 168
Decimal	43153
CIELab	61.70, -41.97, 1.57
CIELCh	62, 41.996, 177.855
Yxy	30.0496, 0.2367, 0.3722
Android (android.graphics.Color)	4278233233 (0xFF00A891)
YUV	115.1460, 14.7180, -100.9830
Hunter-Lab	54.8175, -33.6922, 4.2148

Details

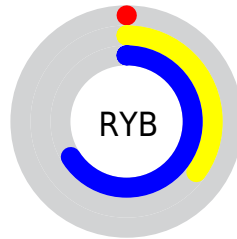
The XYZ color **19.1135, 30.0496, 31.5808** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3042, 8.3876, 1.5717**, and the grayscale version is **16.3195, 17.1694, 18.6975**.

A 20% lighter version of the original color is **41.4787, 59.7620, 63.3819**, and **8.1963, 13.0877, 12.9207** is the 20% darker color. If you saturate the color by 10%, you get **19.1138, 30.0505, 31.5801**, and if you desaturate by 10%, it is **19.5213, 30.2399, 32.5361**.

Distribution



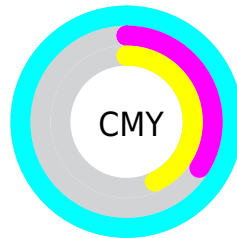
- Red (0%)
- Green (66%)
- Blue (57%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1135, 30.0496, 31.5808 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 19.1135, 30.0496, 31.5808 by changing the saturation by 10% instead.

■ 19.1135, 30.0496,
31.5808

■ 19.1135, 30.0496,
31.5808

240.0007,
302.1356, 323.6389

■ 11.8568, 19.8762,
20.7793

■ 41.4412, 59.7406,
63.2436

■ 6.7178, 12.3051,
12.7731

■ 57.2429, 80.0270,
84.9420

■ 3.3310, 6.9518,
7.1436

■ 76.6237, 104.4533,
111.1098

■ 1.3311, 3.4320,
3.4723

■ 99.9488, 133.4038,
142.1656

■ 0.2063, 1.3612,
1.3406

■ 127.5838,
167.2628, 178.5278

■ 0.0000, 0.1879,
0.0947

■ 159.8938,

■ 0.0000, 0.0000,

206.4149, 220.6151

0.0000

197.2444,
251.2443, 268.8459

■ 19.1135, 30.0496,
31.5808

■ 19.1135, 30.0496,
31.5808

■ 19.1138, 30.0505,
31.5801

■ 19.5213, 30.2399,
32.5361

■ 20.1236, 30.5292,
33.5186

■ 20.9991, 30.9590,
34.5329

■ 22.1831, 31.5474,
35.5807

■ 23.7052, 32.3097,
36.6636

■ 25.5916, 33.2594,
37.7827

■ 27.8661, 34.4086,
38.9394

■ 30.5501, 35.7686,
40.1348

■ 33.6639, 37.3497,
41.3699

Harmonies

Analogous

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



20.3955, 30.0496, 18.9257



19.1135, 30.0496, 31.5808



20.0760, 30.0496, 49.3054

Triad

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



19.1135, 30.0496, 31.5808



33.8814, 30.0496, 68.1623



34.6679, 30.0496, 12.9684

Complementary

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



19.1135, 30.0496, 31.5808



16.3042, 8.3876, 1.5717

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.



39.1529, 30.0496, 20.3444



19.1135, 30.0496, 31.5808



38.6588, 30.0496, 51.9738

Square

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



19.1135, 30.0496, 31.5808



28.1610, 30.0496, 74.1079



40.6999, 30.0496, 33.8840



28.9652, 30.0496, 10.5962

Rectangle

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



19.1135, 30.0496, 31.5808



21.9412, 30.0496, 61.2487



40.6999, 30.0496, 33.8840



36.3945, 30.0496, 14.7957

Sweetspot

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



19.1144, 30.0507, 31.5815



50.3124, 62.3094, 70.5384



14.4096, 28.2158, 4.6875



10.5879, 13.3896, 15.1884



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.1144, 30.0507, 31.5815



34.6246, 54.5056, 56.9942



12.5596, 13.8097, 39.0506



7.7027, 8.5141, 9.4206



14.4474, 22.6977, 23.9204



0.3633, 0.5569, 0.6439

Inverse Universe

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



16.3042, 8.3876, 1.5717



29.5385, 15.2005, 2.6074



17.7037, 11.4344, 1.2747



7.5714, 7.5584, 8.0602



12.3232, 6.3380, 1.2475



0.3120, 0.1591, 0.0945

Previews

White Background



This preview shows how the XYZ color 19.1135, 30.0496, 31.5808 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1135, 30.0496, 31.5808 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

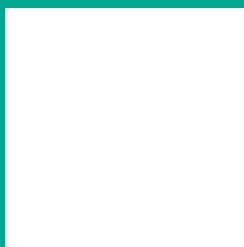
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1135, 30.0496, 31.5808

Background



This preview shows how black text looks on a background with the XYZ color 19.1135, 30.0496, 31.5808.

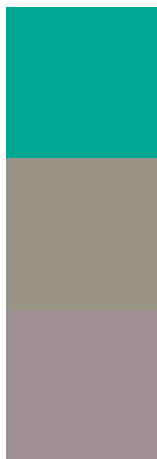


This preview shows how white text looks on a background with the XYZ color 19.1135, 30.0496,

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

19.1135, 30.0496, 31.5808

Protanopia

28.2194, 29.7711, 26.8133

Deuteranopia

30.0254, 29.4240, 32.9511



Tritanopia

22.1597, 29.9496, 46.2079

Trichromacy



Original Color

19.1135, 30.0496, 31.5808

Protanomaly

21.3458, 27.8743, 28.3000

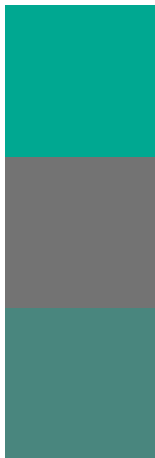
Deuteranomaly

22.0530, 27.4194, 32.1471

Tritanomaly

20.7534, 29.8881, 40.2725

Monochromacy



Original Color

19.1135, 30.0496, 31.5808

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.0386, 19.9730, 22.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1135, 30.0496, 31.5808 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, 168, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.1135, 30.0496, 31.5808 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, 168, 145) }
```


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

```
.border{ border-color:rgb(0, 168, 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, 168, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1135, 30.0496, 31.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 145) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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