

Converting Colors

XYZ(18.7818, 31.1168, 26.1353)

Have a look what the booklet for
XYZ(18.7818, 31.1168, 26.1353)
contains.

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Color

**XYZ(18.7818, 31.1168,
26.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC82
RGB	0, 172, 130
RGB Percent	0%, 67%, 51%
CMY	0.9999, 0.3255, 0.4902
CMYK	1.00, 0.00, 0.24, 0.33
HSL	165°, 100%, 34%
HSV	165°, 100%, 67%
XYZ	18.7818, 31.1168, 26.1353
YIQ	115.7840, -89.0300, -49.5260

Conversions

Conversions Part 2

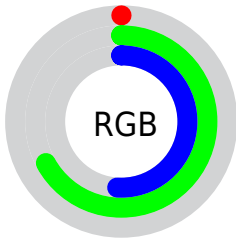
Format	Color
RYB	0, 98, 172
Decimal	44162
CIELab	62.61, -47.59, 11.23
CIELCh	63, 48.897, 166.719
Yxy	31.1168, 0.2470, 0.4092
Android (android.graphics.Color)	4278234242 (0xFF00AC82)
YUV	115.7840, 7.0085, -101.5426
Hunter-Lab	55.7824, -37.5188, 11.2690

Details

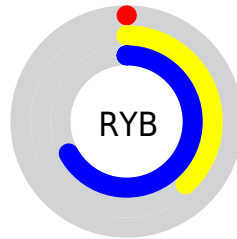
The XYZ color **18.7818, 31.1168, 26.1353** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.4323, 8.9386, 2.9987**, and the grayscale version is **16.5350, 17.3961, 18.9443**.

A 20% lighter version of the original color is **40.8048, 61.2329, 54.4682**, and **7.9636, 13.5509, 9.9804** is the 20% darker color. If you saturate the color by 10%, you get **18.7822, 31.1178, 26.1346**, and if you desaturate by 10%, it is **19.3053, 31.3542, 27.6627**.

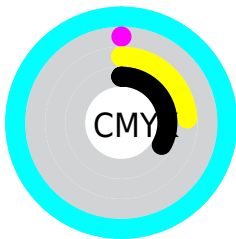
Distribution



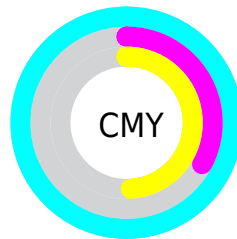
- Red (0%)
- Green (67%)
- Blue (51%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7818, 31.1168, 26.1353 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 18.7818, 31.1168, 26.1353 by changing the saturation by 10% instead.

■ 18.7818, 31.1168,
26.1353

■ 18.7818, 31.1168,
26.1353

238.2028,
307.0761, 297.0722

■ 11.6158, 20.6878,
16.6982

■ 40.8848, 61.4239,
54.4799

■ 6.5530, 12.8960,
9.8599

■ 56.5525, 82.0708,
74.2245

■ 3.2280, 7.3570,
5.2018

■ 75.7848, 106.8925,
98.2420

■ 1.2754, 3.6863,
2.3053

■ 98.9471, 136.2733,
126.9510

■ 0.1647, 1.4997,
0.7342

■ 126.4046,
170.5977, 160.7699

■ 0.0000, 0.2885,
0.0000

■ 158.5229,

■ 0.0000, 0.0000,

210.2500, 200.1174

0.0000

195.6672,
255.6147, 245.4120

■ 18.7818, 31.1168,
26.1353

■ 18.7818, 31.1168,
26.1353

■ 18.7822, 31.1178,
26.1346

■ 19.3053, 31.3542,
27.6627

■ 20.0432, 31.7000,
29.2602

■ 21.0775, 32.1973,
30.9330

■ 22.4455, 32.8651,
32.6836

■ 24.1787, 33.7199,
34.5142

■ 26.3053, 34.7761,
36.4266

■ 28.8502, 36.0465,
38.4227

■ 31.8366, 37.5431,
40.5042

■ 35.2858, 39.2768,
42.6727

Harmonies

Analogous

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



21.1989, 31.1168, 14.4455



18.7818, 31.1168, 26.1353



18.9291, 31.1168, 45.5633

Triad

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



18.7818, 31.1168, 26.1353



33.4142, 31.1168, 82.5361



39.2514, 31.1168, 13.5821

Complementary

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



18.7818, 31.1168, 26.1353



17.4323, 8.9386, 2.9987

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.



43.6121, 31.1168, 24.3884



18.7818, 31.1168, 26.1353



39.9110, 31.1168, 65.7537

Square

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



18.7818, 31.1168, 26.1353



26.7304, 31.1168, 83.5712



43.8702, 31.1168, 43.0230



32.6158, 31.1168, 9.2556

Rectangle

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



18.7818, 31.1168, 26.1353



20.4532, 31.1168, 60.8762



43.8702, 31.1168, 43.0230



41.0727, 31.1168, 16.3448

Sweetspot

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



18.7826, 31.1180, 26.1360



52.0637, 65.2548, 69.4998



15.7500, 30.0201, 4.9648



10.8894, 13.9689, 14.7802



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.



18.7826, 31.1180, 26.1360



33.9810, 56.4137, 46.9293



15.2980, 18.6809, 41.8307



8.1515, 9.0381, 9.8226



13.9990, 23.1649, 19.5660



0.4093, 0.6524, 0.6489

Inverse Universe

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



17.4323, 8.9386, 2.9987



31.5494, 16.1852, 5.0508



17.8783, 10.4997, 1.0848



8.0825, 8.0462, 8.7451



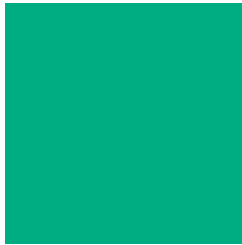
12.9905, 6.6588, 2.3297



0.3829, 0.1939, 0.1782

Previews

White Background



This preview shows how the XYZ color 18.7818, 31.1168, 26.1353 looks on a white background.

Color Contrast Check

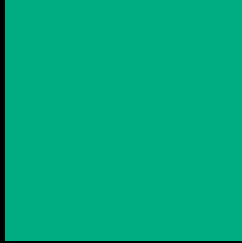
Large Text (above 18pt) WCAG AA × Fail

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 18.7818, 31.1168, 26.1353 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 18.7818, 31.1168, 26.1353

Background



This preview shows how black text looks on a background with the XYZ color 18.7818, 31.1168, 26.1353.

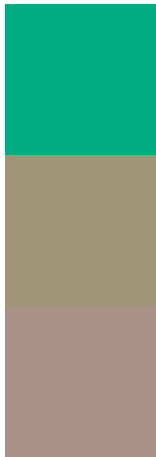


This preview shows how white text looks on a background with the XYZ color 18.7818, 31.1168,

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

18.7818, 31.1168, 26.1353

Protanopia

28.7333, 30.6182, 21.8483

Deuteranopia

31.1469, 30.5744, 27.5524



Tritanopia

23.3484, 31.3393, 47.4663

Trichromacy



Original Color

18.7818, 31.1168, 26.1353



Protanomaly

21.2815, 28.7086, 23.1585



Deuteranomaly

22.2088, 28.3521, 26.8562



Tritanomaly

21.1288, 30.9358, 38.5758

Monochromacy



Original Color

18.7818, 31.1168, 26.1353



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.0794, 20.4446, 21.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7818, 31.1168, 26.1353 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, 172, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 130)  
}
```

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, 172, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 130) }
```

Border

The CSS property to change the border of an element to XYZ 18.7818, 31.1168, 26.1353 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, 172, 130) }
```


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

```
.border{ border-color:rgb(0, 172, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7818, 31.1168, 26.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 130) }
```

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

```
.background{ background-color: rgb(0, 172,  
130) }
```

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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