

Converting Colors

XYZ(14.3678, 28.8686, 26.4652)

Have a look what the booklet for
XYZ(14.3678, 28.8686, 26.4652)
contains.

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Color

**XYZ(18.8493, 31.1437,
26.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC83
RGB	0, 172, 131
RGB Percent	0%, 67%, 51%
CMY	0.9999, 0.3255, 0.4863
CMYK	1.00, 0.00, 0.24, 0.33
HSL	166°, 100%, 34%
HSV	166°, 100%, 67%
XYZ	18.8493, 31.1437, 26.4906
YIQ	115.8980, -89.3510, -49.2150

Conversions

Conversions Part 2

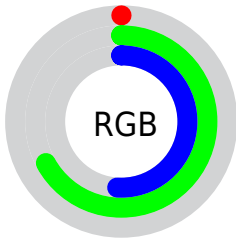
Format	Color
RYB	0, 98, 172
Decimal	44163
CIELab	62.63, -47.34, 10.71
CIELCh	63, 48.535, 167.250
Yxy	31.1437, 0.2464, 0.4072
Android (android.graphics.Color)	4278234243 (0xFF00AC83)
YUV	115.8980, 7.4453, -101.6425
Hunter-Lab	55.8065, -37.3710, 10.9204

Details

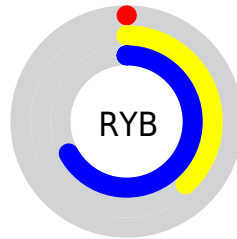
The XYZ color **18.8493, 31.1437, 26.4906** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.4148, 8.9317, 2.9063**, and the grayscale version is **16.5693, 17.4322, 18.9836**.

A 20% lighter version of the original color is **40.9093, 61.2747, 55.0184**, and **8.0014, 13.5661, 10.1794** is the 20% darker color. If you saturate the color by 10%, you get **18.8495, 31.1446, 26.4893**, and if you desaturate by 10%, it is **19.3686, 31.3794, 27.9954**.

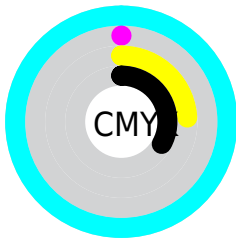
Distribution



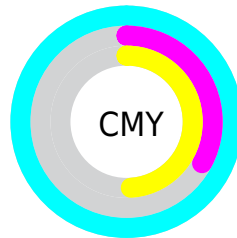
- Red (0%)
- Green (67%)
- Blue (51%)



- 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 18.8493, 31.1437, 26.4906 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 18.8493, 31.1437, 26.4906 by changing the saturation by 10% instead.


 18.8493, 31.1437,
26.4906


 18.8493, 31.1437,
26.4906


238.5697,
307.1998, 298.8639


 11.6648, 20.7083,
16.9620


 40.9981, 61.4662,
55.0591


 6.5864, 12.9109,
10.0457


 56.6932, 82.1222,
74.9361


 3.2488, 7.3673,
5.3233


 75.9558, 106.9537,
99.0996

 1.2867, 3.6928,
2.3761

 99.1513, 136.3453,
127.9682

 0.1732, 1.5033,
0.7734

 126.6451,
170.6813, 161.9603

 0.0000, 0.2910,
0.0000

 158.8025,

 0.0000, 0.0000,

210.3461, 201.4947

0.0000

195.9889,
255.7242, 246.9897

■ 18.8493, 31.1437,
26.4906

■ 18.8493, 31.1437,
26.4906

■ 18.8495, 31.1446,
26.4893

■ 19.3686, 31.3794,
27.9954

■ 20.1018, 31.7234,
29.5676

■ 21.1309, 32.2186,
31.2124

■ 22.4931, 32.8841,
32.9321

■ 24.2201, 33.7365,
34.7289

■ 26.3399, 34.7899,
36.6045

■ 28.8774, 36.0574,
38.5609

■ 31.8559, 37.5508,
40.5997

■ 35.2966, 39.2811,
42.7224

Harmonies

Analogous

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



21.2102, 31.1437, 14.7089



18.8493, 31.1437, 26.4906



19.0413, 31.1437, 45.8980

Triad

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



18.8493, 31.1437, 26.4906



33.5348, 31.1437, 81.9414



39.0999, 31.1437, 13.5803

Complementary

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



18.8493, 31.1437, 26.4906



17.4148, 8.9317, 2.9063

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.



43.4831, 31.1437, 24.2158



18.8493, 31.1437, 26.4906



39.9562, 31.1437, 65.1277

Square

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



18.8493, 31.1437, 26.4906



26.8823, 31.1437, 83.2816



43.8180, 31.1437, 42.6000



32.4974, 31.1437, 9.3475

Rectangle

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



18.8493, 31.1437, 26.4906



20.5883, 31.1437, 61.0784



43.8180, 31.1437, 42.6000



40.9219, 31.1437, 16.2969

Sweetspot

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



18.8502, 31.1449, 26.4913



52.1119, 65.2741, 69.7533



15.7502, 30.0201, 4.9650



10.9011, 13.9735, 14.8418



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.



18.8502, 31.1449, 26.4913



34.1046, 56.4631, 47.5797



15.2982, 18.6814, 41.8306



8.1534, 9.0389, 9.8330



14.0488, 23.1848, 19.8283



0.4104, 0.6528, 0.6545

Inverse Universe

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



17.4148, 8.9317, 2.9063



31.5187, 16.1729, 4.8891



17.8785, 10.5001, 1.0851



8.0806, 8.0455, 8.7353



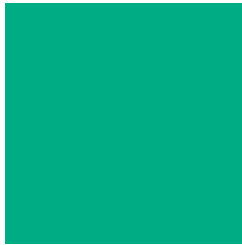
12.9771, 6.6534, 2.2588



0.3822, 0.1936, 0.1743

Previews

White Background



This preview shows how the XYZ color 18.8493, 31.1437, 26.4906 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 18.8493, 31.1437, 26.4906 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 18.8493, 31.1437, 26.4906

Background



This preview shows how black text looks on a background with the XYZ color 18.8493, 31.1437, 26.4906.



This preview shows how white text looks on a background with the XYZ color 18.8493, 31.1437,

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

18.8493, 31.1437, 26.4906

Protanopia

28.7937, 30.6423, 22.1663

Deuteranopia

31.2183, 30.6030, 27.9285



Tritanopia

23.2942, 31.3114, 47.4638

Trichromacy



Original Color

18.8493, 31.1437, 26.4906



Protanomaly

21.3444, 28.7337, 23.4900



Deuteranomaly

22.2789, 28.3801, 27.2254



Tritanomaly

21.1839, 30.9540, 39.0406

Monochromacy



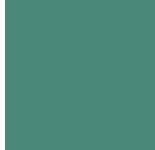
Original Color

18.8493, 31.1437, 26.4906



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 18.8493, 31.1437, 26.4906 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.8493, 31.1437, 26.4906 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, 131) }
```


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

```
.border{ border-color:rgb(0, 172, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8493, 31.1437, 26.4906 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, 131) }
```

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

```
.background{ background-color: rgb(0, 172,  
131) }
```

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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