

Converting Colors

XYZ(11.3320, 18.7546, 18.9055)

Have a look what the booklet for
XYZ(11.3320, 18.7546, 18.9055)
contains.

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Color

**XYZ(11.9829, 19.1062,
18.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	008972
RGB	0, 137, 114
RGB Percent	0%, 54%, 45%
CMY	1.0000, 0.4627, 0.5529
CMYK	1.00, 0.00, 0.17, 0.46
HSL	170°, 100%, 27%
HSV	170°, 100%, 54%
XYZ	11.9829, 19.1062, 18.9759
YIQ	93.4150, -74.2690, -36.1970

Conversions

Conversions Part 2

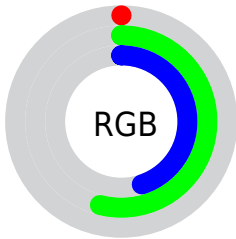
Format	Color
RYB	0, 75, 137
Decimal	35186
CIELab	50.81, -37.27, 3.48
CIELCh	51, 37.428, 174.670
Yxy	19.1062, 0.2393, 0.3816
Android (android.graphics.Color)	4278225266 (0xFF008972)
YUV	93.4150, 10.1484, -81.9250
Hunter-Lab	43.7106, -27.5594, 4.8582

Details

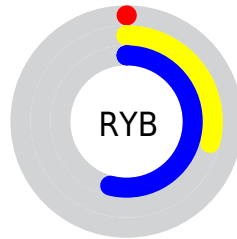
The XYZ color **11.9829, 19.1062, 18.9759** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4718, 5.3807, 1.2979**, and the grayscale version is **10.4920, 11.0384, 12.0208**.

A 20% lighter version of the original color is **29.0810, 41.8538, 42.6223**, and **4.3112, 7.0489, 6.2876** is the 20% darker color. If you saturate the color by 10%, you get **11.9832, 19.1068, 18.9758**, and if you desaturate by 10%, it is **12.2926, 19.2510, 19.6830**.

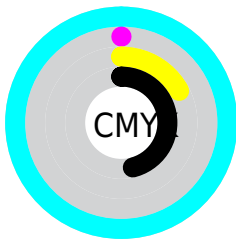
Distribution



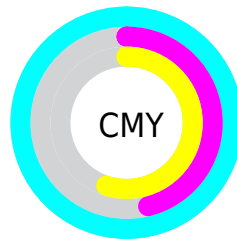
- Red (0%)
- Green (54%)
- Blue (45%)



- Red (0%)
- Yellow (29%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9829, 19.1062, 18.9759 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 11.9829, 19.1062, 18.9759 by changing the saturation by 10% instead.

■ 11.9829, 19.1062,
18.9759

■ 11.9829, 19.1062,
18.9759

198.0643,
247.0344, 258.7340

■ 6.8042, 11.7470,
11.4762

■ 29.0811, 41.9135,
42.5295

■ 3.3852, 6.5717,
6.2699

■ 41.7312, 58.1304,
59.4206

■ 1.3606, 3.1957,
2.9385

■ 57.6026, 78.0687,
80.2791

■ 0.2279, 1.2347,
1.0633

■ 77.0604, 102.1127,
105.5238

■ 0.0000, 0.0898,
0.0000

■ 100.4702,
130.6469, 135.5731

■ 0.0000, 0.0000,
0.0000

■ 128.1971,

164.0557, 170.8455

160.6067,
202.7234, 211.7596

■ 11.9829, 19.1062,
18.9759

■ 11.9829, 19.1062,
18.9759

■ 11.9832, 19.1068,
18.9758

■ 12.2926, 19.2510,
19.6830

■ 12.7148, 19.4530,
20.4123

■ 13.3101, 19.7437,
21.1671

■ 14.0991, 20.1340,
21.9485

■ 15.0996, 20.6329,
22.7575

■ 16.3275, 21.2487,
23.5950

■ 17.7969, 21.9885,
24.4616

■ 19.5209, 22.8592,
25.3582

■ 21.5116, 23.8670,
26.2855

Harmonies

Analogous

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



12.9742, 19.1062, 11.1422



11.9829, 19.1062, 18.9759



12.4556, 19.1062, 30.4669

Triad

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



11.9829, 19.1062, 18.9759



21.2784, 19.1062, 45.2071



22.5699, 19.1062, 8.2577

Complementary

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



11.9829, 19.1062, 18.9759



10.4718, 5.3807, 1.2979

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.



25.3840, 19.1062, 13.4355



11.9829, 19.1062, 18.9759



24.5705, 19.1062, 34.8714

Square

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



11.9829, 19.1062, 18.9759



17.5100, 19.1062, 48.2300



26.1614, 19.1062, 22.7446



18.8256, 19.1062, 6.4404

Rectangle

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



11.9829, 19.1062, 18.9759



13.5755, 19.1062, 38.5636



26.1614, 19.1062, 22.7446



23.6751, 19.1062, 9.5559

Sweetspot

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



11.9834, 19.1069, 18.9764



31.6795, 39.2801, 43.6992



9.3501, 18.1002, 3.0012



6.8820, 8.6977, 9.6739



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.9834, 19.1069, 18.9764



21.4074, 34.1951, 33.7092



8.4848, 9.7446, 25.1014



5.1374, 5.6744, 6.2445



11.1657, 17.7989, 17.6950



0.0786, 0.1200, 0.1409

Inverse Universe

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



10.4718, 5.3807, 1.2979



18.7090, 9.6178, 2.0967



11.1951, 7.0750, 0.7759



5.0649, 5.0614, 5.4304



9.7572, 5.0130, 1.2258



0.0685, 0.0348, 0.0277

Previews

White Background



This preview shows how the XYZ color 11.9829, 19.1062, 18.9759 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 11.9829, 19.1062, 18.9759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

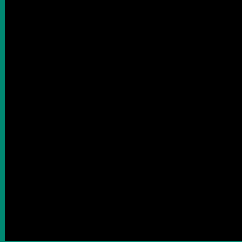
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.9829, 19.1062, 18.9759

Background



This preview shows how black text looks on a background with the XYZ color 11.9829, 19.1062, 18.9759.

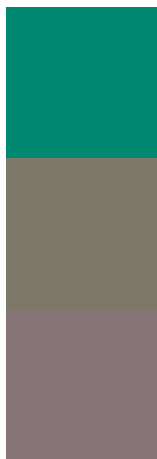


This preview shows how white text looks on a background with the XYZ color 11.9829, 19.1062,

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

11.9829, 19.1062, 18.9759

Protanopia

17.8705, 18.8885, 16.0686

Deuteranopia

19.3042, 19.0171, 19.7928



Tritanopia

14.2583, 19.2200, 29.3439

Trichromacy



Original Color

11.9829, 19.1062, 18.9759

Protanomaly

13.4759, 17.7099, 16.8955

Deuteranomaly

14.1648, 17.6310, 19.4862

Tritanomaly

13.1596, 18.9503, 25.1545

Monochromacy



Original Color

11.9829, 19.1062, 18.9759

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.6212, 12.8067, 14.2768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9829, 19.1062, 18.9759 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, 137, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 114)  
}
```

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, 137, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 114) }
```

Border

The CSS property to change the border of an element to XYZ 11.9829, 19.1062, 18.9759 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, 137, 114) }
```


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

```
.border{ border-color:rgb(0, 137, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9829, 19.1062, 18.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 114) }
```

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

```
.background{ background-color: rgb(0, 137,  
114) }
```

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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