

Converting Colors

XYZ(11.1780, 26.3031, 33.0229)

Have a look what the booklet for
XYZ(11.1780, 26.3031, 33.0229)
contains.

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Color

**XYZ(19.6128, 30.5459,
33.2960)**

Conversions

Conversions Part 1

Format	Color
Hex	00A995
RGB	0, 169, 149
RGB Percent	0%, 66%, 58%
CMY	0.9999, 0.3372, 0.4157
CMYK	1.00, 0.00, 0.12, 0.34
HSL	173°, 100%, 33%
HSV	173°, 100%, 66%
XYZ	19.6128, 30.5459, 33.2960
YIQ	116.1890, -94.3040, -42.0480

Conversions

Conversions Part 2

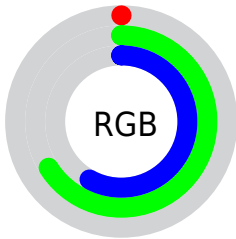
Format	Color
RYB	0, 90, 169
Decimal	43413
CIELab	62.12, -41.27, -0.05
CIELCh	62, 41.271, 180.069
Yxy	30.5459, 0.2350, 0.3660
Android (android.graphics.Color)	4278233493 (0xFF00A995)
YUV	116.1890, 16.1758, -101.8978
Hunter-Lab	55.2683, -33.3762, 2.9690

Details

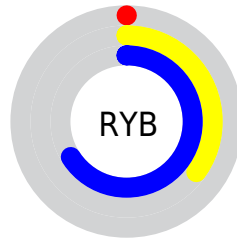
The XYZ color **19.6128, 30.5459, 33.2960** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.4895, 8.4864, 1.4319**, and the grayscale version is **16.6335, 17.4998, 19.0573**.

A 20% lighter version of the original color is **42.3208, 60.5419, 65.9551**, and **8.4500, 13.3726, 13.6911** is the 20% darker color. If you saturate the color by 10%, you get **19.6132, 30.5468, 33.2956**, and if you desaturate by 10%, it is **20.0043, 30.7298, 34.1560**.

Distribution



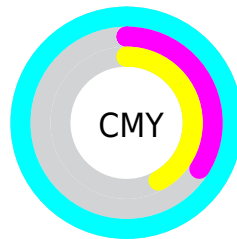
- Red (0%)
- Green (66%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6128, 30.5459, 33.2960 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 19.6128, 30.5459, 33.2960 by changing the saturation by 10% instead.


 19.6128, 30.5459,
33.2960


 19.6128, 30.5459,
33.2960


242.6849,
304.4408, 331.6542


 12.2205, 20.2533,
22.0803


 42.2760, 60.5244,
65.9587


 6.9673, 12.5793,
13.7171


 58.2776, 80.9791,
88.2428

 3.4878, 7.1395,
7.7876


 77.8797, 105.5900,
115.0535

 1.4167, 3.5495,
3.8735

 101.4476,
134.7415, 146.8093

 0.2681, 1.4249,
1.5562

 129.3467,
168.8179, 183.9287

 0.0000, 0.2350,
0.2593

 161.9424,

 0.0000, 0.0000,

208.2037, 226.8303

0.0000

199.6000,
253.2832, 275.9326

■ 19.6128, 30.5459,
33.2960

■ 19.6128, 30.5459,
33.2960

■ 19.6132, 30.5468,
33.2956

■ 20.0043, 30.7298,
34.1560

■ 20.5923, 31.0140,
35.0389

■ 21.4564, 31.4402,
35.9492

■ 22.6323, 32.0268,
36.8886

■ 24.1500, 32.7894,
37.8586

■ 26.0363, 33.7416,
38.8605

■ 28.3151, 34.8958,
39.8955

■ 31.0084, 36.2633,
40.9647

■ 34.1364, 37.8547,
42.0692

Harmonies

Analogous

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



20.7295, 30.5459, 20.2181



19.6128, 30.5459, 33.2960



20.7398, 30.5459, 51.0494

Triad

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



19.6128, 30.5459, 33.2960



34.7168, 30.5459, 67.3538



34.6918, 30.5459, 13.1770

Complementary

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



19.6128, 30.5459, 33.2960



16.4895, 8.4864, 1.4319

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.



39.2860, 30.5459, 20.1725



19.6128, 30.5459, 33.2960



39.3017, 30.5459, 50.9649

Square

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



19.6128, 30.5459, 33.2960



29.0458, 30.5459, 74.1563



41.0699, 30.5459, 33.2226



29.0202, 30.5459, 11.0976

Rectangle

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



19.6128, 30.5459, 33.2960



22.7059, 30.5459, 62.6425



41.0699, 30.5459, 33.2226



36.4381, 30.5459, 14.8926

Sweetspot

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



19.6137, 30.5471, 33.2967



50.4655, 62.3707, 71.3445



14.5318, 28.5539, 4.7462



10.6254, 13.4046, 15.3859



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.



19.6137, 30.5471, 33.2967



35.0737, 54.6853, 59.3593



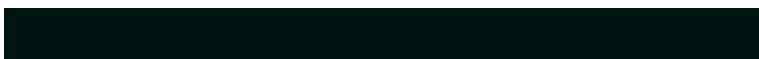
12.4242, 13.3893, 39.4670



7.7087, 8.5165, 9.4524



14.6300, 22.7707, 24.8820



0.3663, 0.5582, 0.6601

Inverse Universe

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



16.4895, 8.4864, 1.4319



29.4897, 15.1810, 2.3508



18.0846, 11.8787, 1.3403



7.5659, 7.5562, 8.0312



12.2998, 6.3287, 1.1246



0.3099, 0.1582, 0.0835

Previews

White Background



This preview shows how the XYZ color 19.6128, 30.5459, 33.2960 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 19.6128, 30.5459, 33.2960 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

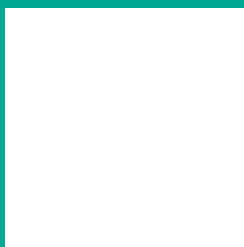
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6128, 30.5459, 33.2960

Background



This preview shows how black text looks on a background with the XYZ color 19.6128, 30.5459, 33.2960.

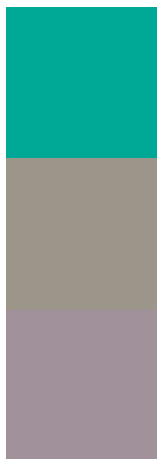


This preview shows how white text looks on a background with the XYZ color 19.6128, 30.5459,

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

19.6128, 30.5459, 33.2960

Protanopia

28.8525, 30.2984, 28.3723

Deuteranopia

30.6561, 30.1610, 34.7777



Tritanopia

22.5732, 30.6825, 46.8521

Trichromacy



Original Color

19.6128, 30.5459, 33.2960



Protanomaly

21.9165, 28.3826, 29.9144



Deuteranomaly

22.7026, 28.2030, 33.9529



Tritanomaly

21.1180, 30.3237, 41.2992

Monochromacy



Original Color

19.6128, 30.5459, 33.2960



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.3843, 20.3423, 23.5377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6128, 30.5459, 33.2960 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, 169, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 149)  
}
```

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, 169, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.6128, 30.5459, 33.2960 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, 169, 149) }
```


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

```
.border{ border-color:rgb(0, 169, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6128, 30.5459, 33.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 149) }
```

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

```
.background{ background-color: rgb(0, 169,  
149) }
```

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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