

Converting Colors

XYZ(13.9848, 27.5914, 31.2356)

Have a look what the booklet for
XYZ(13.9848, 27.5914, 31.2356)
contains.

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Color

**XYZ(19.2988, 30.4203,
31.6426)**

Conversions

Conversions Part 1

Format	Color
Hex	00A991
RGB	0, 169, 145
RGB Percent	0%, 66%, 57%
CMY	0.9999, 0.3372, 0.4314
CMYK	1.00, 0.00, 0.14, 0.34
HSL	171°, 100%, 33%
HSV	171°, 100%, 66%
XYZ	19.2988, 30.4203, 31.6426
YIQ	115.7330, -93.0200, -43.2920

Conversions

Conversions Part 2

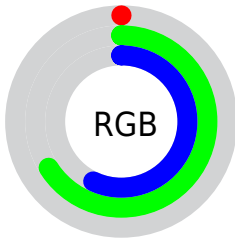
Format	Color
RYB	0, 91, 169
Decimal	43409
CIELab	62.02, -42.39, 2.03
CIELCh	62, 42.443, 177.253
Yxy	30.4203, 0.2372, 0.3739
Android (android.graphics.Color)	4278233489 (0xFF00A991)
YUV	115.7330, 14.4286, -101.4978
Hunter-Lab	55.1546, -34.0627, 4.5931

Details

The XYZ color **19.2988, 30.4203, 31.6426** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.5281, 8.5018, 1.6352**, and the grayscale version is **16.4986, 17.3578, 18.9027**.

A 20% lighter version of the original color is **41.7482, 60.3011, 63.4717**, and **8.3109, 13.3170, 12.9589** is the 20% darker color. If you saturate the color by 10%, you get **19.2992, 30.4212, 31.6422**, and if you desaturate by 10%, it is **19.7163, 30.6146, 32.6394**.

Distribution



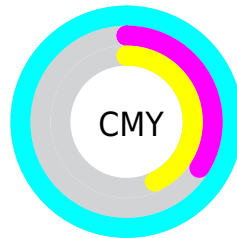
- Red (0%)
- Green (66%)
- Blue (57%)



- Red (0%)
- Yellow (36%)
- 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 19.2988, 30.4203, 31.6426 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 19.2988, 30.4203, 31.6426 by changing the saturation by 10% instead.

■ 19.2988, 30.4203,
31.6426

■ 19.2988, 30.4203,
31.6426

240.9999,
303.8587, 323.9304

■ 11.9917, 20.1578,
20.8261

■ 41.7514, 60.3262,
63.3418

■ 6.8102, 12.5098,
12.8069

■ 57.6275, 80.7385,
85.0615

■ 3.3889, 7.0919,
7.1666

■ 77.0907, 105.3028,
111.2528

■ 1.3626, 3.5196,
3.4865

■ 100.5063,
134.4035, 142.3340

■ 0.2294, 1.4087,
1.3481

■ 128.2397,
168.4250, 178.7239

■ 0.0000, 0.2231,
0.1007

■ 160.6562,

■ 0.0000, 0.0000,

207.7518, 220.8409

0.0000

198.1212,
252.7682, 269.1035

■ 19.2988, 30.4203,
31.6426

■ 19.2988, 30.4203,
31.6426

■ 19.2992, 30.4212,
31.6422

■ 19.7163, 30.6146,
32.6394

■ 20.3314, 30.9096,
33.6653

■ 21.2238, 31.3472,
34.7248

■ 22.4291, 31.9456,
35.8198

■ 23.9776, 32.7204,
36.9517

■ 25.8958, 33.6853,
38.1220

■ 28.2077, 34.8528,
39.3318

■ 30.9353, 36.2340,
40.5824

■ 34.0989, 37.8396,
41.8747

Harmonies

Analogous

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



20.6484, 30.4203, 18.8923



19.2988, 30.4203, 31.6426



20.2321, 30.4203, 49.6551

Triad

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



19.2988, 30.4203, 31.6426



34.2223, 30.4203, 69.5464



35.2492, 30.4203, 13.1308

Complementary

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



19.2988, 30.4203, 31.6426



16.5281, 8.5018, 1.6352

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.



39.7792, 30.4203, 20.7393



19.2988, 30.4203, 31.6426



39.1338, 30.4203, 53.1426

Square

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



19.2988, 30.4203, 31.6426



28.3921, 30.4203, 75.3489



41.2857, 30.4203, 34.6479



29.4414, 30.4203, 10.6379

Rectangle

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



19.2988, 30.4203, 31.6426



22.1009, 30.4203, 61.8956



41.2857, 30.4203, 34.6479



36.9995, 30.4203, 15.0204

Sweetspot

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



19.2997, 30.4215, 31.6433



50.2705, 62.2927, 70.3179



14.5986, 28.5884, 4.7493



10.5776, 13.3855, 15.1344



80.6108, 84.8088, 92.3568



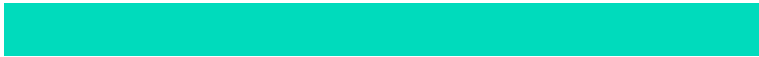
14.7206, 15.4872, 16.8656

Same Dimension

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



19.2997, 30.4215, 31.6433



34.5033, 54.4571, 56.3555



12.7226, 13.9862, 39.5665



7.7010, 8.5135, 9.4118



14.3980, 22.6780, 23.6606



0.3624, 0.5566, 0.6395

Inverse Universe

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



16.5281, 8.5018, 1.6352



29.5530, 15.2064, 2.6841



17.9353, 11.5802, 1.2905



7.5729, 7.5590, 8.0682



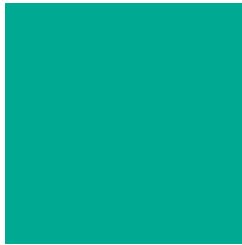
12.3301, 6.3407, 1.2838



0.3126, 0.1593, 0.0975

Previews

White Background



This preview shows how the XYZ color 19.2988, 30.4203, 31.6426 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 19.2988, 30.4203, 31.6426 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

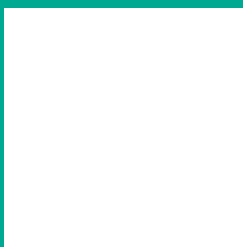
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2988, 30.4203, 31.6426

Background



This preview shows how black text looks on a background with the XYZ color 19.2988, 30.4203, 31.6426.

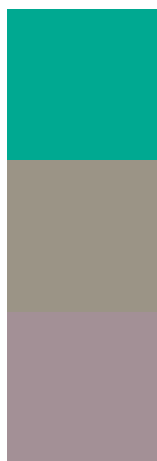


This preview shows how white text looks on a background with the XYZ color 19.2988, 30.4203,

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

19.2988, 30.4203, 31.6426

Protanopia

28.4105, 29.8696, 26.8223

Deuteranopia

30.5825, 29.9351, 33.0203



Tritanopia

22.4836, 30.3696, 46.7964

Trichromacy



Original Color

19.2988, 30.4203, 31.6426



Protanomaly

21.6215, 28.2646, 28.3608



Deuteranomaly

22.4454, 27.8636, 32.2122



Tritanomaly

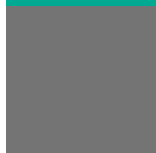
21.0546, 30.3016, 40.8155

Monochromacy



Original Color

19.2988, 30.4203, 31.6426



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.3188, 20.3161, 23.1927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2988, 30.4203, 31.6426 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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, 169, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.2988, 30.4203, 31.6426 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, 145) }
```


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

```
.border{ border-color:rgb(0, 169, 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, 169, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2988, 30.4203, 31.6426 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, 145) }
```

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

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