

Converting Colors

XYZ(11.9953, 26.3942, 32.4593)

Have a look what the booklet for
XYZ(11.9953, 26.3942, 32.4593)
contains.

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Color

**XYZ(19.3479, 30.1434,
32.8155)**

Conversions

Conversions Part 1

Format	Color
Hex	00A894
RGB	0, 168, 148
RGB Percent	0%, 66%, 58%
CMY	0.9999, 0.3412, 0.4196
CMYK	1.00, 0.00, 0.12, 0.34
HSL	173°, 100%, 33%
HSV	173°, 100%, 66%
XYZ	19.3479, 30.1434, 32.8155
YIQ	115.4880, -93.7080, -41.8360

Conversions

Conversions Part 2

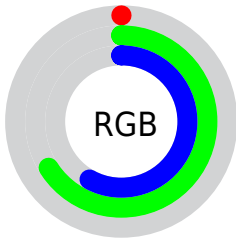
Format	Color
RYB	0, 89, 168
Decimal	43156
CIELab	61.78, -41.12, 0.01
CIELCh	62, 41.122, 179.989
Yxy	30.1434, 0.2351, 0.3662
Android (android.graphics.Color)	4278233236 (0xFF00A894)
YUV	115.4880, 16.0284, -101.2830
Hunter-Lab	54.9030, -33.1766, 2.9945

Details

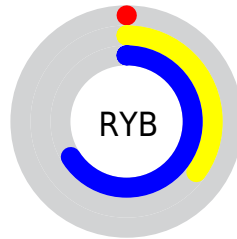
The XYZ color **19.3479, 30.1434, 32.8155** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.2757, 8.3761, 1.4217**, and the grayscale version is **16.4192, 17.2743, 18.8117**.

A 20% lighter version of the original color is **41.8305, 59.9027, 65.2348**, and **8.2884, 13.1245, 13.4057** is the 20% darker color. If you saturate the color by 10%, you get **19.3484, 30.1444, 32.8153**, and if you desaturate by 10%, it is **19.7362, 30.3258, 33.6681**.

Distribution



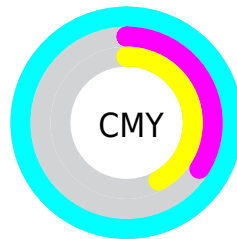
- Red (0%)
- Green (66%)
- Blue (58%)



- 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 19.3479, 30.1434, 32.8155 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 19.3479, 30.1434, 32.8155 by changing the saturation by 10% instead.


 19.3479, 30.1434,
32.8155


 19.3479, 30.1434,
32.8155


241.2641,
302.5723, 329.4240


 12.0274, 19.9475,
21.7152

 41.8335, 59.8889,
65.2001


 6.8347, 12.3569,
13.4515


 57.7293, 80.2072,
87.3214


 3.4043, 6.9872,
7.6058


 77.2143, 104.6685,
113.9535

 1.3710, 3.4541,
3.7596

 100.6538,
133.6570, 145.5148

 0.2354, 1.3731,
1.4944

 128.4132,
167.5573, 182.4240

 0.0000, 0.1968,
0.2138

 160.8578,

 0.0000, 0.0000,

206.7537, 225.0996

0.0000

198.3530,
251.6305, 273.9601

■ 19.3479, 30.1434,
32.8155

■ 19.3479, 30.1434,
32.8155

■ 19.3484, 30.1444,
32.8153

■ 19.7362, 30.3258,
33.6681

■ 20.3180, 30.6070,
34.5435

■ 21.1722, 31.0283,
35.4461

■ 22.3339, 31.6077,
36.3775

■ 23.8329, 32.3607,
37.3393

■ 25.6953, 33.3008,
38.3327

■ 27.9448, 34.4401,
39.3590

■ 30.6031, 35.7897,
40.4191

■ 33.6900, 37.3601,
41.5142

Harmonies

Analogous

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



20.4564, 30.1434, 19.9171



19.3479, 30.1434, 32.8155



20.4548, 30.1434, 50.3446

Triad

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



19.3479, 30.1434, 32.8155



34.2498, 30.1434, 66.5330



34.2536, 30.1434, 13.0034

Complementary

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



19.3479, 30.1434, 32.8155



16.2757, 8.3761, 1.4217

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.



38.7862, 30.1434, 19.9240



19.3479, 30.1434, 32.8155



38.7838, 30.1434, 50.3574

Square

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



19.3479, 30.1434, 32.8155



28.6485, 30.1434, 73.2202



40.5393, 30.1434, 32.8266



28.6523, 30.1434, 10.9398

Rectangle

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



19.3479, 30.1434, 32.8155



22.3926, 30.1434, 61.8042



40.5393, 30.1434, 32.8266



35.9773, 30.1434, 14.7013

Sweetspot

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



19.3488, 30.1445, 32.8162



50.4597, 62.3683, 71.3139



14.3434, 28.1817, 4.6842



10.6240, 13.4040, 15.3784



80.6108, 84.8088, 92.3568



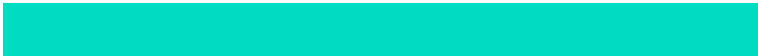
14.7206, 15.4872, 16.8656

Same Dimension

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



19.3488, 30.1445, 32.8162



35.0566, 54.6784, 59.2688



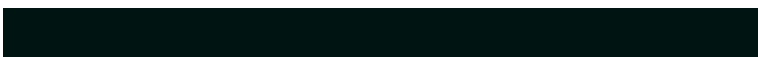
12.2646, 13.2198, 38.9524



7.7085, 8.5164, 9.4512



14.6230, 22.7680, 24.8452



0.3662, 0.5581, 0.6595

Inverse Universe

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



16.2757, 8.3761, 1.4217



29.4915, 15.1817, 2.3598



17.8508, 11.7284, 1.3235



7.5661, 7.5563, 8.0323



12.3007, 6.3290, 1.1290



0.3100, 0.1583, 0.0840

Previews

White Background



This preview shows how the XYZ color 19.3479, 30.1434, 32.8155 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 19.3479, 30.1434, 32.8155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

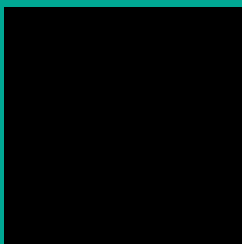
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

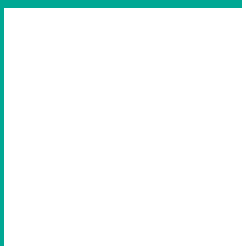
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3479, 30.1434, 32.8155

Background



This preview shows how black text looks on a background with the XYZ color 19.3479, 30.1434, 32.8155.

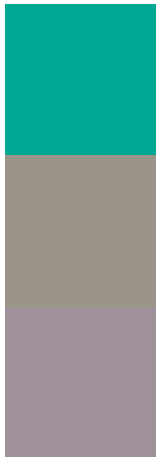


This preview shows how white text looks on a background with the XYZ color 19.3479, 30.1434,

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

19.3479, 30.1434, 32.8155

Protanopia

28.4317, 29.8560, 27.9312

Deuteranopia

30.2202, 29.7200, 34.2807



Tritanopia

22.2500, 30.2607, 46.2632

Trichromacy



Original Color

19.3479, 30.1434, 32.8155

Protanomaly

21.5661, 27.9624, 29.4599

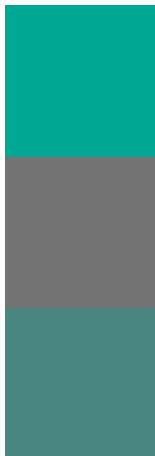
Deuteranomaly

22.4566, 27.8416, 33.4685

Tritanomaly

20.8170, 29.9103, 40.7525

Monochromacy



Original Color

19.3479, 30.1434, 32.8155

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.1035, 19.9990, 23.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3479, 30.1434, 32.8155 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, 168, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 148)  
}
```

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, 168, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.3479, 30.1434, 32.8155 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, 168, 148) }
```


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

```
.border{ border-color:rgb(0, 168, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3479, 30.1434, 32.8155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 148) }
```

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

```
.background{ background-color: rgb(0, 168,  
148) }
```

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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