

Converting Colors

XYZ(18.6504, 30.2475, 33.8241)

Have a look what the booklet for
XYZ(18.6504, 30.2475, 33.8241)
contains.

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Color

**XYZ(19.8797, 30.9515,
33.7806)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA96
RGB	0, 170, 150
RGB Percent	0%, 67%, 59%
CMY	0.9999, 0.3333, 0.4118
CMYK	1.00, 0.00, 0.12, 0.33
HSL	173°, 100%, 33%
HSV	173°, 100%, 67%
XYZ	19.8797, 30.9515, 33.7806
YIQ	116.8900, -94.9000, -42.2600

Conversions

Conversions Part 2

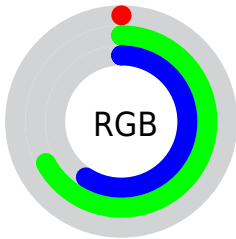
Format	Color
RYB	0, 90, 170
Decimal	43670
CIELab	62.47, -41.42, -0.11
CIELCh	62, 41.421, 180.147
Yxy	30.9515, 0.2350, 0.3658
Android (android.graphics.Color)	4278233750 (0xFF00AA96)
YUV	116.8900, 16.3232, -102.5125
Hunter-Lab	55.6341, -33.5763, 2.9434

Details

The XYZ color **19.8797, 30.9515, 33.7806** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.7048, 8.5973, 1.4417**, and the grayscale version is **16.8485, 17.7260, 19.3036**.

A 20% lighter version of the original color is **42.7115, 61.1320, 66.6753**, and **8.6134, 13.6234, 13.9800** is the 20% darker color. If you saturate the color by 10%, you get **19.8802, 30.9525, 33.7805**, and if you desaturate by 10%, it is **20.2744, 31.1369, 34.6479**.

Distribution



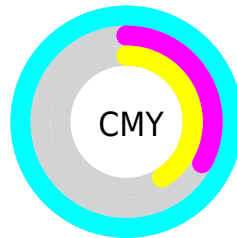
- Red (0%)
- Green (67%)
- Blue (59%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8797, 30.9515, 33.7806 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 19.8797, 30.9515, 33.7806 by changing the saturation by 10% instead.


 19.8797, 30.9515,
33.7806


 19.8797, 30.9515,
33.7806

244.1091,
306.3148, 333.8919


 12.4154, 20.5619,
22.4491


 42.7209, 61.1637,
66.7223


 7.1014, 12.8042,
13.9858


 58.8285, 81.7551,
89.1696


 3.5725, 7.2938,
7.9722


 78.5478, 106.5159,
116.1593

 1.4633, 3.6465,
3.9896

 102.2444,
135.8305, 148.1099

 0.3006, 1.4779,
1.6196

 130.2834,
170.0833, 185.4399

 0.0000, 0.2731,
0.3048

 163.0303,

 0.0000, 0.0000,

209.6587, 228.5679

0.0000

200.8504,
254.9411, 277.9123

■ 19.8797, 30.9515,
33.7806

■ 19.8797, 30.9515,
33.7806

■ 19.8802, 30.9525,
33.7805

■ 20.2744, 31.1369,
34.6479

■ 20.8684, 31.4241,
35.5383

■ 21.7423, 31.8552,
36.4562

■ 22.9322, 32.4488,
37.4036

■ 24.4686, 33.2208,
38.3817

■ 26.3787, 34.1851,
39.3921

■ 28.6867, 35.3542,
40.4358

■ 31.4150, 36.7397,
41.5141

■ 34.5840, 38.3520,
42.6279

Harmonies

Analogous

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



21.0047, 30.9515, 20.5216



19.8797, 30.9515, 33.7806



21.0269, 30.9515, 51.7601

Triad

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



19.8797, 30.9515, 33.7806



35.1875, 30.9515, 68.1808



35.1332, 30.9515, 13.3518

Complementary

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



19.8797, 30.9515, 33.7806



16.7048, 8.5973, 1.4417

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.



39.7897, 30.9515, 20.4227



19.8797, 30.9515, 33.7806



39.8237, 30.9515, 51.5768

Square

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



19.8797, 30.9515, 33.7806



29.4463, 30.9515, 75.0999



41.6046, 30.9515, 33.6214



29.3907, 30.9515, 11.2565

Rectangle

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



19.8797, 30.9515, 33.7806



23.0216, 30.9515, 63.4878



41.6046, 30.9515, 33.6214



36.9025, 30.9515, 15.0851

Sweetspot

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



19.8806, 30.9527, 33.7813



51.7957, 64.0167, 73.2574



14.7214, 28.9290, 4.8084



11.1519, 14.0739, 16.1624



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.



19.8806, 30.9527, 33.7813



36.0163, 56.1369, 61.0102



12.5845, 13.5591, 39.9855



7.7090, 8.5166, 9.4536



14.6370, 22.7735, 24.9188



0.3665, 0.5582, 0.6607

Inverse Universe

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



16.7048, 8.5973, 1.4417



30.2659, 15.5810, 2.3956



18.3197, 12.0293, 1.3568



7.5657, 7.5561, 8.0301



12.2990, 6.3283, 1.1202



0.3098, 0.1582, 0.0831

Previews

White Background



This preview shows how the XYZ color 19.8797, 30.9515, 33.7806 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 19.8797, 30.9515, 33.7806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

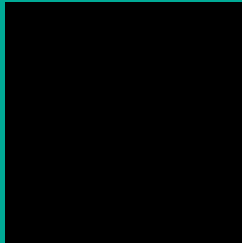
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8797, 30.9515, 33.7806

Background



This preview shows how black text looks on a background with the XYZ color 19.8797, 30.9515, 33.7806.

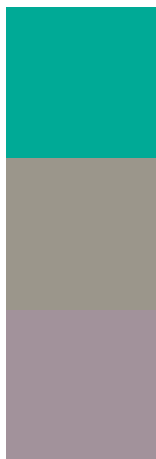


This preview shows how white text looks on a background with the XYZ color 19.8797, 30.9515,

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

19.8797, 30.9515, 33.7806

Protanopia

29.0841, 30.6453, 28.8083

Deuteranopia

31.0956, 30.6057, 35.2789



Tritanopia

22.8551, 31.0850, 47.4432

Trichromacy



Original Color

19.8797, 30.9515, 33.7806



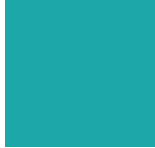
Protanomaly

22.1605, 28.7498, 30.3679



Deuteranomaly

23.0646, 28.6262, 34.4468



Tritanomaly

21.3933, 30.7258, 41.8489

Monochromacy



Original Color

19.8797, 30.9515, 33.7806



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.5906, 20.6491, 23.9328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8797, 30.9515, 33.7806 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, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 150)  
}
```

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, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.8797, 30.9515, 33.7806 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, 170, 150) }
```


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

```
.border{ border-color:rgb(0, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8797, 30.9515, 33.7806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 150) }
```

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

```
.background{ background-color: rgb(0, 170,  
150) }
```

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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