

Converting Colors

XYZ(18.7551, 28.5144, 33.9843)

Have a look what the booklet for
XYZ(18.7551, 28.5144, 33.9843)
contains.

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Color

**XYZ(18.6831, 28.4288,
33.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	00A397
RGB	0, 163, 151
RGB Percent	0%, 64%, 59%
CMY	0.9999, 0.3608, 0.4078
CMYK	1.00, 0.00, 0.07, 0.36
HSL	176°, 100%, 32%
HSV	176°, 100%, 64%
XYZ	18.6831, 28.4288, 33.7808
YIQ	112.8950, -93.2960, -38.2880

Conversions

Conversions Part 2

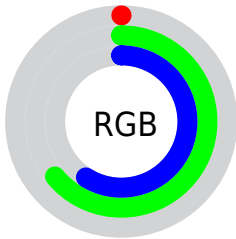
Format	Color
RYB	0, 85, 163
Decimal	41879
CIELab	60.27, -38.05, -3.89
CIELCh	60, 38.247, 185.833
Yxy	28.4288, 0.2310, 0.3514
Android (android.graphics.Color)	4278231959 (0xFF00A397)
YUV	112.8950, 18.7858, -99.0089
Hunter-Lab	53.3187, -30.7605, -0.2410

Details

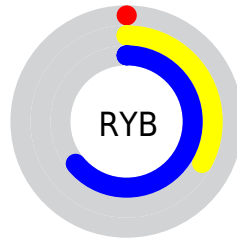
The XYZ color **18.6831, 28.4288, 33.7808** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.1715, 7.8138, 1.0571**, and the grayscale version is **15.6329, 16.4470, 17.9108**.

A 20% lighter version of the original color is **40.7646, 57.3461, 66.6780**, and **7.8762, 12.0720, 13.9716** is the 20% darker color. If you saturate the color by 10%, you get **18.6836, 28.4297, 33.7809**, and if you desaturate by 10%, it is **19.0009, 28.5819, 34.3078**.

Distribution



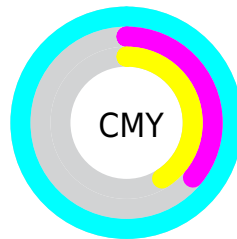
- Red (0%)
- Green (64%)
- Blue (59%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6831, 28.4288, 33.7808 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 18.6831, 28.4288, 33.7808 by changing the saturation by 10% instead.

■ 18.6831, 28.4288,
33.7808

■ 18.6831, 28.4288,
33.7808

■ 237.6655,
294.5102, 333.8928

■ 11.5442, 18.6491,
22.4493

■ 40.7189, 57.1683,
66.7226

■ 6.5041, 11.4170,
13.9859

■ 56.3466, 76.8970,
89.1700

■ 3.1975, 6.3481,
7.9722

■ 75.5345, 100.7107,
116.1598

■ 1.2590, 3.0579,
3.9897

■ 98.6480, 128.9940,
148.1104

■ 0.1522, 1.1620,
1.6197

■ 126.0525,
162.1312, 185.4405

■ 0.0000, 0.0304,
0.3048

■ 158.1134,

■ 0.0000, 0.0000,

200.5067, 228.5686

0.0000

195.1959,
244.5049, 277.9132

■ 18.6831, 28.4288,
33.7808

■ 18.6831, 28.4288,
33.7808

■ 18.6836, 28.4297,
33.7809

■ 19.0009, 28.5819,
34.3078

■ 19.4958, 28.8256,
34.8477

■ 20.2435, 29.1995,
35.4046

■ 21.2763, 29.7203,
35.9801

■ 22.6219, 30.4022,
36.5754

■ 24.3045, 31.2577,
37.1918

■ 26.3460, 32.2981,
37.8303

■ 28.7665, 33.5338,
38.4917

■ 31.5847, 34.9744,
39.1771

Harmonies

Analogous

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



19.2978, 28.4288, 21.1615



18.6831, 28.4288, 33.7808



20.0737, 28.4288, 49.6098

Triad

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



18.6831, 28.4288, 33.7808



32.9260, 28.4288, 58.4185



31.0683, 28.4288, 12.2735

Complementary

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



18.6831, 28.4288, 33.7808



15.1715, 7.8138, 1.0571

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.



35.4099, 28.4288, 17.6824



18.6831, 28.4288, 33.7808



36.5700, 28.4288, 43.3798

Square

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



18.6831, 28.4288, 33.7808



27.9905, 28.4288, 66.3453



37.5298, 28.4288, 28.2897



26.0736, 28.4288, 11.1102

Rectangle

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



18.6831, 28.4288, 33.7808



22.0631, 28.4288, 59.1091



37.5298, 28.4288, 28.2897



32.6704, 28.4288, 13.5539

Sweetspot

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



18.6839, 28.4299, 33.7815



46.9562, 57.7263, 67.6826



13.2728, 26.2856, 4.3746



10.2021, 12.7896, 15.0972



78.6606, 82.7571, 90.1225



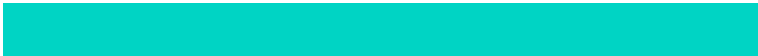
14.0027, 14.7319, 16.0430

Same Dimension

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



18.6839, 28.4299, 33.7815



33.4273, 50.9006, 60.3264



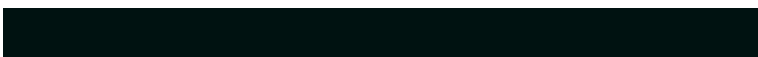
10.7119, 10.8458, 36.1805



7.2535, 8.0022, 8.9467



14.5273, 22.0973, 26.2911



0.3115, 0.4668, 0.5851

Inverse Universe

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



15.1715, 7.8138, 1.0571



27.1410, 13.9813, 1.7423



17.1678, 11.9125, 1.3951



7.0940, 7.0940, 7.4812



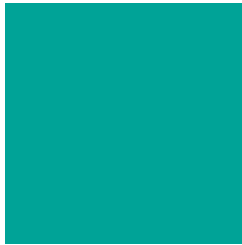
11.7975, 6.0751, 0.8585



0.2539, 0.1300, 0.0495

Previews

White Background



This preview shows how the XYZ color 18.6831, 28.4288, 33.7808 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 18.6831, 28.4288, 33.7808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

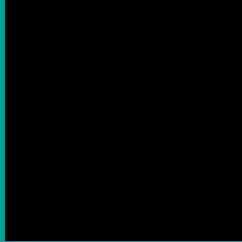
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6831, 28.4288, 33.7808

Background



This preview shows how black text looks on a background with the XYZ color 18.6831, 28.4288, 33.7808.

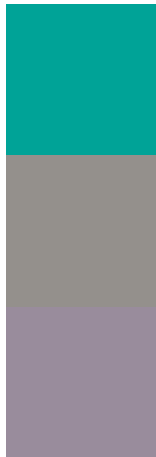


This preview shows how white text looks on a background with the XYZ color 18.6831, 28.4288,

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

18.6831, 28.4288, 33.7808

Protanopia

26.9196, 28.1359, 28.8229

Deuteranopia

28.5157, 27.9288, 35.3403



Tritanopia

20.9503, 28.5901, 43.9494

Trichromacy



Original Color

18.6831, 28.4288, 33.7808



Protanomaly

20.7167, 26.5265, 30.4138



Deuteranomaly

21.3524, 26.0543, 34.4754



Tritanomaly

19.9373, 28.4130, 40.0308

Monochromacy



Original Color

18.6831, 28.4288, 33.7808



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.6196, 19.1426, 23.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6831, 28.4288, 33.7808 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, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 151)  
}
```

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, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.6831, 28.4288, 33.7808 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, 163, 151) }
```


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

```
.border{ border-color:rgb(0, 163, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6831, 28.4288, 33.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 151) }
```

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

```
.background{ background-color: rgb(0, 163,  
151) }
```

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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