

Converting Colors

XYZ(18.8967, 29.3040, 32.4706)

Have a look what the booklet for
XYZ(18.8967, 29.3040, 32.4706)
contains.

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Color

**XYZ(18.9815, 29.4106,
32.6933)**

Conversions

Conversions Part 1

Format	Color
Hex	00A694
RGB	0, 166, 148
RGB Percent	0%, 65%, 58%
CMY	0.9999, 0.3490, 0.4196
CMYK	1.00, 0.00, 0.11, 0.35
HSL	173°, 100%, 33%
HSV	173°, 100%, 65%
XYZ	18.9815, 29.4106, 32.6933
YIQ	114.3140, -93.1580, -40.7900

Conversions

Conversions Part 2

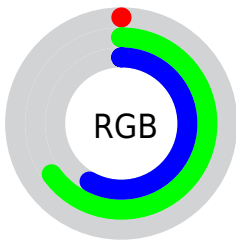
Format	Color
RYB	0, 88, 166
Decimal	42644
CIELab	61.14, -40.25, -0.92
CIELCh	61, 40.262, 181.311
Yxy	29.4106, 0.2341, 0.3627
Android (android.graphics.Color)	4278232724 (0xFF00A694)
YUV	114.3140, 16.6072, -100.2534
Hunter-Lab	54.2315, -32.4287, 2.2193

Details

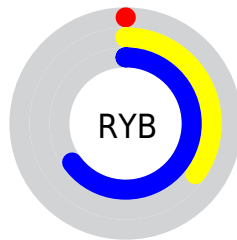
The XYZ color **18.9815, 29.4106, 32.6933** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.8360, 8.1515, 1.3119**, and the grayscale version is **16.0623, 16.8988, 18.4028**.

A 20% lighter version of the original color is **41.2961, 58.8340, 65.0567**, and **8.0628, 12.6733, 13.3305** is the 20% darker color. If you saturate the color by 10%, you get **18.9819, 29.4115, 32.6931**, and if you desaturate by 10%, it is **19.3502, 29.5848, 33.4610**.

Distribution



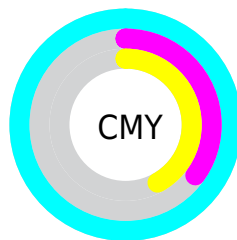
- Red (0%)
- Green (65%)
- Blue (58%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9815, 29.4106, 32.6933 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 18.9815, 29.4106, 32.6933 by changing the saturation by 10% instead.


 18.9815, 29.4106,
32.6933


 18.9815, 29.4106,
32.6933


239.2867,
299.1474, 328.8550


 11.7608, 19.3917,
21.6224


 41.2199, 58.7288,
65.0069


 6.6521, 11.9536,
13.3841


 56.9684, 78.7969,
87.0866


 3.2899, 6.7121,
7.5597


 76.2903, 102.9834,
113.6731

 1.3088, 3.2827,
3.7308

 99.5508, 131.6729,
145.1848

 0.1898, 1.2811,
1.4789

 127.1153,
165.2496, 182.0403

 0.0000, 0.1265,
0.2021

 159.3492,

 0.0000, 0.0000,

204.0980, 224.6582

0.0000

196.6179,
248.6024, 273.4569

■ 18.9815, 29.4106,
32.6933

■ 18.9815, 29.4106,
32.6933

■ 18.9819, 29.4115,
32.6931

■ 19.3502, 29.5848,
33.4610

■ 19.9059, 29.8544,
34.2484

■ 20.7263, 30.2602,
35.0599

■ 21.8454, 30.8197,
35.8971

■ 23.2919, 31.5478,
36.7614

■ 25.0914, 32.4576,
37.6540

■ 27.2668, 33.5609,
38.5761

■ 29.8391, 34.8685,
39.5287

■ 32.8276, 36.3905,
40.5127

Harmonies

Analogous

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



19.9588, 29.4106, 19.9931



18.9815, 29.4106, 32.6933



20.1450, 29.4106, 49.6386

Triad

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



18.9815, 29.4106, 32.6933



33.5700, 29.4106, 63.8486



33.1173, 29.4106, 12.6867

Complementary

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



18.9815, 29.4106, 32.6933



15.8360, 8.1515, 1.3119

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.



37.5577, 29.4106, 19.1628



18.9815, 29.4106, 32.6933



37.8414, 29.4106, 48.1106

Square

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



18.9815, 29.4106, 32.6933



28.1869, 29.4106, 70.7831



39.3841, 29.4106, 31.3622



27.7222, 29.4106, 10.8605

Rectangle

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



18.9815, 29.4106, 32.6933



22.0748, 29.4106, 60.5086



39.3841, 29.4106, 31.3622



34.7938, 29.4106, 14.2647

Sweetspot

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



18.9823, 29.4117, 32.6940



49.2412, 60.7839, 69.9127



13.9129, 27.4158, 4.5591



10.6456, 13.4126, 15.4920



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.



18.9823, 29.4117, 32.6940



34.4012, 53.3580, 59.0800



11.6718, 12.3302, 37.8425



7.7120, 8.5178, 9.4694



14.7295, 22.8106, 25.4060



0.3680, 0.5588, 0.6688

Inverse Universe

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



15.8360, 8.1515, 1.3119



28.7008, 14.7773, 2.1771



17.5401, 11.7344, 1.3411



7.5630, 7.5550, 8.0158



12.2885, 6.3241, 1.0648



0.3088, 0.1578, 0.0777

Previews

White Background



This preview shows how the XYZ color 18.9815, 29.4106, 32.6933 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 18.9815, 29.4106, 32.6933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

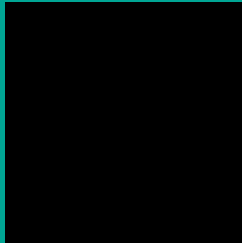
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9815, 29.4106, 32.6933

Background



This preview shows how black text looks on a background with the XYZ color 18.9815, 29.4106, 32.6933.

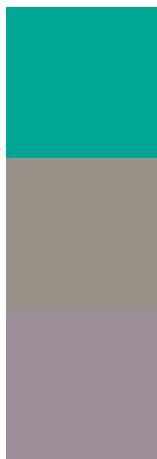


This preview shows how white text looks on a background with the XYZ color 18.9815, 29.4106,

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

18.9815, 29.4106, 32.6933

Protanopia

27.7431, 29.0393, 27.8098

Deuteranopia

29.5233, 28.9150, 34.1621



Tritanopia

21.6545, 29.4494, 45.1004

Trichromacy



Original Color

18.9815, 29.4106, 32.6933



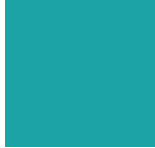
Protanomaly

21.1287, 27.2469, 29.3449



Deuteranomaly

22.0194, 27.1343, 33.3551



Tritanomaly

20.3407, 29.1440, 40.1506

Monochromacy



Original Color

18.9815, 29.4106, 32.6933



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.9011, 19.6979, 22.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9815, 29.4106, 32.6933 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, 166, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.9815, 29.4106, 32.6933 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, 166, 148) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9815, 29.4106, 32.6933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 148) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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